



EVERY ANIMAL. EVERY TIME.



MINERALS & DOSING SYSTEMS

TO SUIT ALL HERDS>>>



IRELAND HQ

BELGIUM

GERMANY

POLAND

FRANCE

SWITZERLAND

HUNGARY





“

**We continue to innovate
to bring the best solutions
to all our farmers.**

Photo credit: Lorraine O'Sullivan

Welcome to the latest edition of our *TERRA NutriTECH* dairy and beef product brochure. *TERRA NutriTECH* is a family business based in Moone, Co. Kildare, Ireland and has been supplying leading products and technologies to farmers in Ireland and abroad since 2013.

TERRA NutriTECH's ethos is to redefine mineral nutrition on farm, by incorporating the latest technology and premium products.

TERRA NutriTECH's bespoke minerals and dosing technology help farmers to improve the health of their animals and increase the productivity of their herd.

We make farmers' lives easier by reducing daily tasks and improving herd performance.

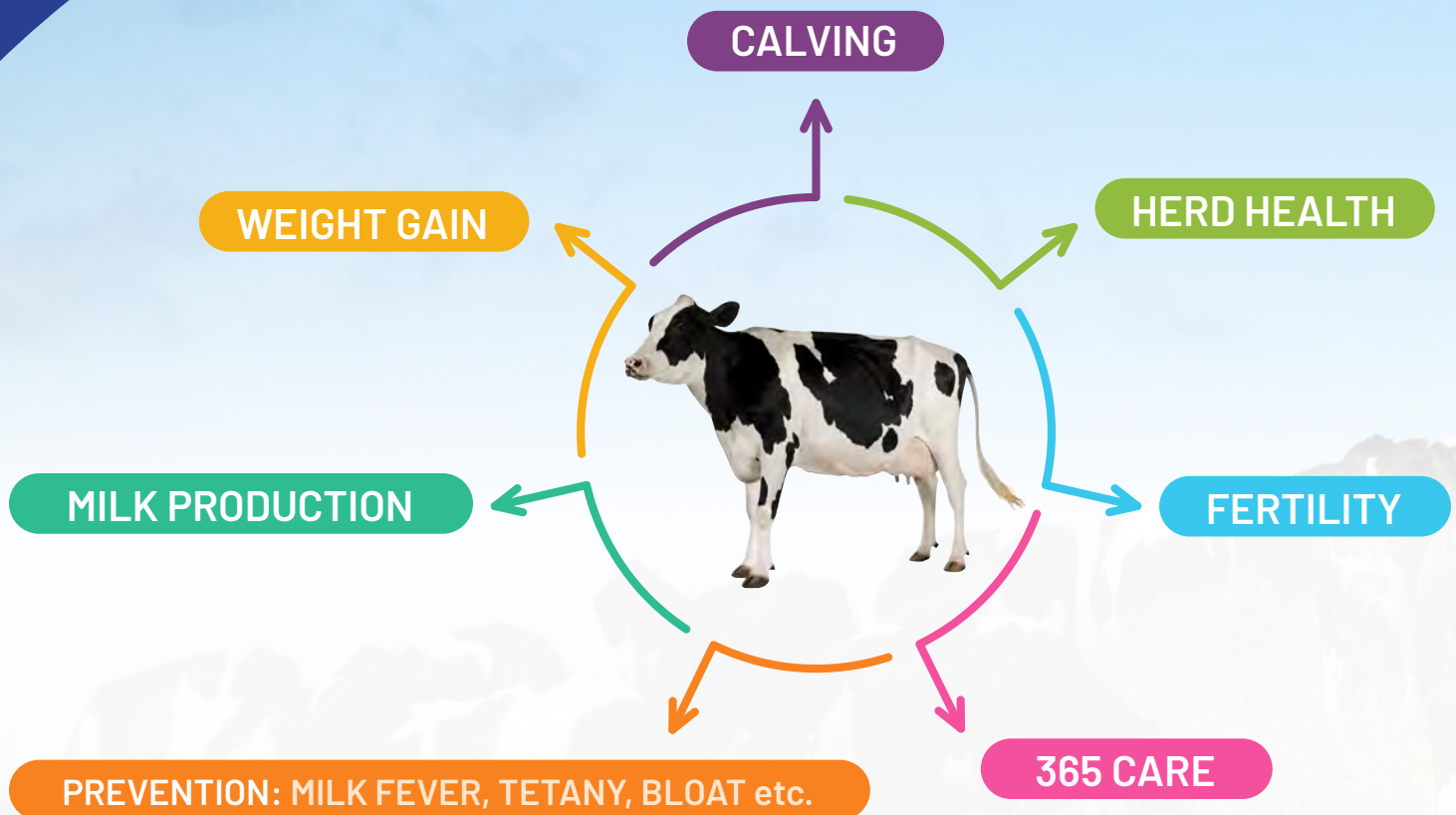
We would like to thank all our customers for choosing to use *TERRA NutriTECH* products, and we continue to innovate to bring the best solutions to all our farmers going forward.

Every Animal. Every Time.

Padraig Hennessy
CEO - *TERRA NutriTECH*



MINERALS ARE ESSENTIAL FOR COWS



BENEFITS OF USING *TERRA NutriTECH* ON-FARM

- ✓ HEALTHIER HERD
- ✓ LESS LABOUR
- ✓ WORKING 24/7
- ✓ ACCURATE NUTRITION
- ✓ EASY TO USE
- ✓ NO WASTE
- ✓ RELIABLE & PRECISE
- ✓ DETECTS WATER LEAKS (*OPIS CONTROLLER*)
- ✓ FLEXIBILITY
- ✓ ELIMINATE HUMAN ERROR

“It’s like having
an extra pair of
hands on-farm
every day.”

K. Doyle
Co. Wexford

 **TERRA**
Nutri**TECH**
EVERY ANIMAL. EVERY TIME.





Every herd has a daily mineral requirement based on:

- *basic metabolic need*
- *production level requirements*
- *stage of breeding cycle*
- *external factors such as weather, soil, mineral lockup etc.*

“At TERRA NutriTECH we believe in science. We use analysis of bloods, forage, milk and combine this with herd history to determine your cows mineral needs.”

WHAT COWS NEED

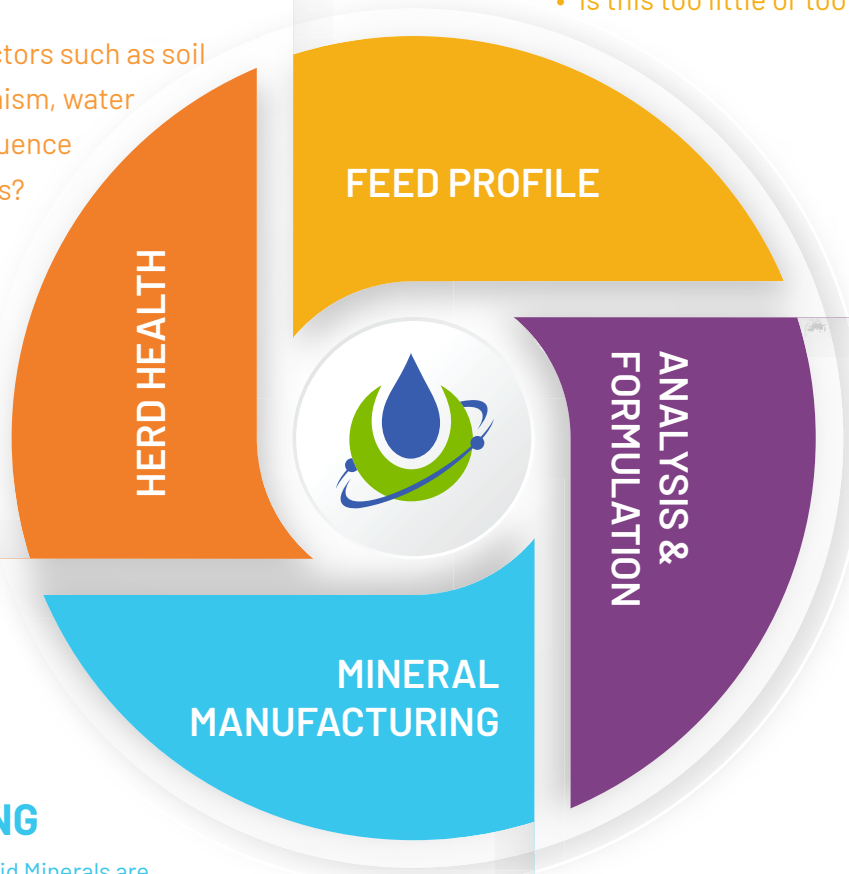
HERD HEALTH

- What mineral issues have been seen in the herd historically?
- What health issues are common on farm e.g. calving, fertility, milk fever, bloat? etc.
- Are there external factors such as soil type, mineral antagonism, water quality which can influence availability of minerals?

FEED PROFILE

Where are cows currently getting mineral nutrition?

- Grass, forage and silage
- Supplementary feeds
- Boluses, licks or mineral packs
- Is this too little or too much?



MINERAL MANUFACTURING

- All TERRA NutriTECH Liquid Minerals are produced in house at our modern processing facility in Ireland. The premises is fully licensed by the Irish Department of Agriculture under License number aIEKE240965.
- The continuous process of certification combined with rigorous in-house quality standards ensures TERRA NutriTECH minerals are produced to the highest international standards. In addition, TERRA NutriTECH holds the following approvals for the production of minerals.

ANALYSIS & FORMULATION

- Blood mineral analysis
- Establish herd benchmark
- Custom mineral formulation
- Ongoing performance monitoring
- Continuous programme optimisation



DAFM Licence Number:
aIEKE240965



DELIVER PRECISELY WHAT THE HERD NEEDS EACH DAY



KEY MINERALS CAN BE DOSED SEPARATELY



PRECISE / SCIENCE-BASED MINERAL NUTRITION LEADS TO BETTER HERD HEALTH

Minerals can be
customised to suit
farm requirements.



“Peace of mind
knowing that my
herd are getting the
correct minerals
at all times

J. Downey
Co. Kilkenny”



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EVERY ANIMAL. EVERY TIME.

**REDUCE
CALVING
ISSUES**



**I have no need for
any other minerals
and have better results
with less issues using
liquid minerals**

*B. Cunningham,
Co. Galway*



AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

CALVING XTRA

A blend of minerals to prepare the cow and calf for a healthy birth.

Has a role to play in:

- ✓ LESS CALVING ISSUES
- ✓ LESS RETAINED CLEANINGS
- ✓ HEALTHIER CALVES
- ✓ EASY TRANSITION TO MILKING
- ✓ FASTER AND EASIER CALVINGS
- ✓ SETTING COWS UP FOR BETTER FERTILITY

When to use:

*Used for the first 2 - 4 weeks of the dry cow period.
Then use Pre-Calver with Magnesium.*

Ingredients:

Copper / Selenium / Zinc / Cobalt / Iodine /
Vitamin A / Vitamin D / Vitamin E

AVAILABLE IN:



1000 (Kg)



250 (Kg)



75g/head/day

CALVING MAGNESIUM

To aid easier calvings.

Has a role to play in:

- ✓ REDUCING MILK FEVER
- ✓ IMPROVING MILK YIELD
- ✓ QUICKER EASIER CALVINGS
- ✓ REDUCING RETAINED CLEANINGS
- ✓ HEALTHIER ANIMALS

When to use:

During the dry cow period 6 - 8 weeks pre-calvings.

Ingredients:

Magnesium / Iodine



Minerals can be customised to suit farm requirements.

“ I have gone from having a big issue every year with milk fever to having only one case in 300 cows this year. ”

S. Phelan,
Co. Cork



AVAILABLE IN:



1000 (Kg)



250 (Kg)



100g/head/day

PRECALVER WITH MAGNESIUM

'All-in-one' mixture for calving preparation.

Has a role to play in:

- ✓ REDUCING MILK FEVER
- ✓ REDUCING RETAINED CLEANINGS
- ✓ INCREASING MILK PRODUCTION
- ✓ LEADING TO BETTER FERTILITY
- ✓ EASIER CALVINGS
- ✓ HEALTHIER CALVES

When to use:

During the dry period 8 weeks pre-calving.

Ingredients:

Magnesium / Copper / Selenium / Zinc / Iodine / Cobalt / Vitamin A / Vitamin D / Vitamin E

AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



2g/head/day

IODINE BOOST

To boost iodine levels in cows and calves.

Has a role to play in:

- ✓ STRONG, HEALTHIER CALVES
- ✓ EASIER CALVINGS
- ✓ IMPROVING IMMUNITY
- ✓ REDUCING STRESS ON COW AND CALF
- ✓ IMPROVING FERTILITY
- ✓ LESS EMBRYO LOSS

When to use:

Used up to 4 weeks pre-calving and during reproduction.

Ingredients:

Iodine

**INCREASE
COW
FERTILITY**



**I have
healthier cows
that go back in
calf easier.**

*F. Leahy,
Co. Limerick*



AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

FERTILITY MINERALS

Used to promote better conception and maximise fertility.

Has a role to play in:

- ✓ FEWER EMPTY COWS
- ✓ IMPROVING HEATS
- ✓ INCREASING CONCEPTION
- ✓ CLOSER CALVING INTERVALS
- ✓ REDUCING EMBRYONIC LOSS
- ✓ MAXIMISING ANIMAL PERFORMANCE

When to use:

For 6 - 8 weeks before and after breeding.

Ingredients:

Copper / Selenium / Zinc / Cobalt / Iodine / Vitamin E

AVAILABLE IN:



1000 (Kg)



250 (Kg)



100g/head/day

FERTILITY MAGNESIUM

Used to promote conception and maximise fertility while reducing tetany risk.

Has a role to play in:

- ✓ MAXIMISING BREEDING PERFORMANCE
- ✓ IMPROVING HEATS
- ✓ LESS EMBRYONIC LOSSES
- ✓ LESS GRASS TETANY
- ✓ LESS EMPTY COWS
- ✓ TIGHTER CALVING PATTERN

When to use:

For 6 - 8 weeks before and after breeding.

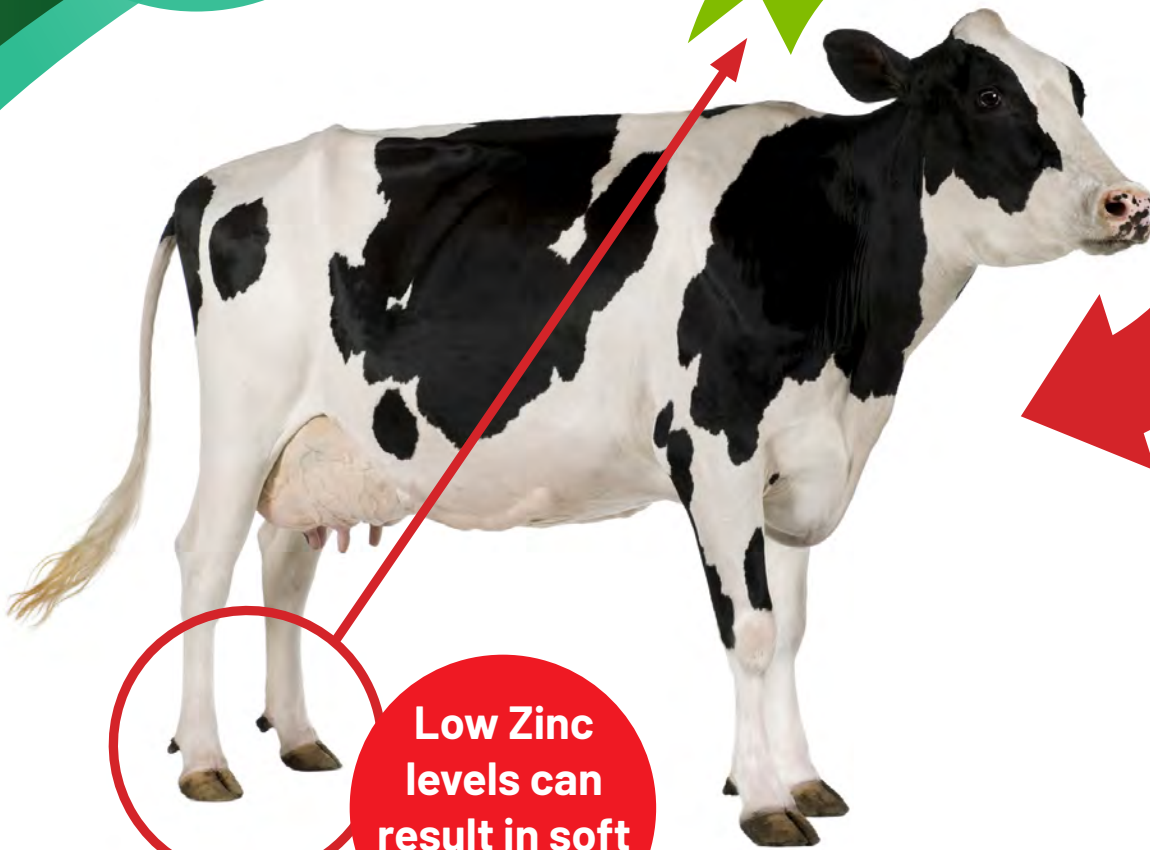
Ingredients:

Magnesium / Iodine / Copper / Selenium / Cobalt / Zinc / Vitamin E

**GOOD
HOOF
HEALTH**

**HIGH ZINC
JUL - NOV**

**PREVENT LAMENESS
DEC - FEB**



**Low Zinc
levels can
result in soft
hooves.**

**My hoof parer
commented about
how much better my
cows hooves are since
I started using TERRA
NutriTECH Minerals.**

*D. Lynch,
Co. Kildare*



AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

YIELD & HOOF CARE

Used to support milking cows, enhance hoof health and sustain milk yield.

Has a role to play in:

- ✓ LESS LAMENESS
- ✓ BETTER MILK PRODUCTION
- ✓ BOOSTING IMMUNITY
- ✓ HEALTHIER ANIMALS
- ✓ FEWER SICK COWS
- ✓ HARDER HOOVES

When to use:

During mid to late-stage lactation, to help prevent soft hooves.

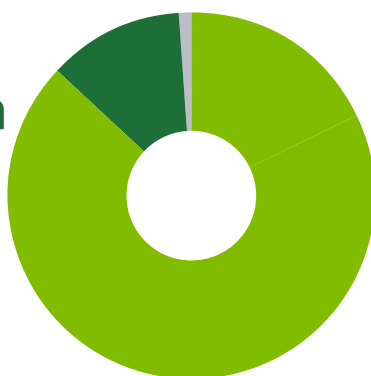
Ingredients:

Copper / Selenium / Zinc / Cobalt / Iodine

MILK PRODUCTION

We asked farmers if the TERRA NutriTECH System has reduced labour on-farm.

See a reduction
in labour
87%
of farms*



Significantly reduced	18%
Reduced	69%
No change	12%
Increased	1%

*Stats taken from TERRA NutriTECH IFAC Customer Report.

"Farmers need to use it to appreciate the amount of pressure it takes off, especially during calving and breeding"

**ALL
YEAR
ROUND**



**Cow health
post-calving is
excellent.**

R. Kavanagh,
Co. Kildare



AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

ORBIE PREMIUM

A blend of minerals & vitamins to maximise health & production.

Has a role to play in:

- ✓ INCREASING FERTILITY
- ✓ INCREASING IMMUNITY
- ✓ DECREASING LAMENESS
- ✓ HEALTHIER ANIMALS
- ✓ BETTERING PERFORMANCE

When to use:

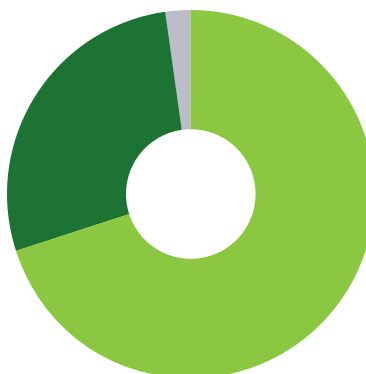
Use all year round.

Ingredients:

Copper / Zinc / Selenium / Cobalt / Iodine /
Manganese / Vitamin A / Vitamin D / Vitamin E

We asked farmers if the health of their herd has improved since using the TERRA NutriTECH system.

70%
have seen
herd health
improvements*



Yes	70%
Not sure	28%
No	2%

*Stats taken from TERRA NutriTECH IFAC Customer Report.

7 out of **10**

farms have seen an improvement in their **overall herd health.**

**REDUCE
RISK**



“Peace of mind
that the herd are
always getting
what they need.”

M. Ryan,
Co. Cork



AVAILABLE IN:



10g/head/day

PICA PHOSPHORUS

Used to help reduce cows eating stones, clay etc.

Has a role to play in:

- ✓ HEALTHIER ANIMALS
- ✓ LESS PICA SYMPTOMS
- ✓ PREVENTING DIGESTIVE PROBLEMS
- ✓ HELP INCREASE FERTILITY
- ✓ REDUCING HEALTH ISSUES
- ✓ REDUCING DAMAGE TO ROADWAYS / DITCHES ETC

When to use:

When the first symptoms of abnormal eating patterns are seen.

Ingredients:

Phosphorus / Sodium

AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



40g/head/day

BLOAT

Used to reduce bloating symptoms occurring from lush grass & high clover pastures.

Has a role to play in:

- ✓ REDUCING BLOAT
- ✓ MAXIMISING GRASS UTILISATION
- ✓ IMPROVING MILK YIELD
- ✓ SUPPORTING HERD HEALTH
- ✓ REDUCING ANIMAL LOSS

When to use:

For 48 hours before and during consumption of lush and high clover forage.

Ingredients:

Blend of oils / Magnesium

**MEASURE.
MANAGE.
SUCCEED.**



**“Testing showed
the gaps. TERRA
NutriTECH helped
us fill them.”**

*T, Nolan.
Co. Cork*



AVAILABLE IN:



1000 (Kg)



250 (Kg)



75g/head/day

MAGNESIUM

Used to aid reduction of tetany and milk fever.

Has a role to play in:

- ✓ REDUCING MILK FEVER
- ✓ IMPROVING MILK YIELD
- ✓ QUICKER EASIER CALVINGS
- ✓ REDUCING RETAINED CLEANINGS
- ✓ HEALTHIER ANIMALS
- ✓ REDUCING TETANY RISK

When to use:

During the dry cow period for 8-10 weeks pre-calvings and during tetany risk.

Ingredients:

Magnesium

HERD HEALTH

- MEASURE TO MANAGE -



FORAGE TESTING

shows what minerals are available.



BLOOD & MILK TESTING

confirms what your cows are actually absorbing.

“Testing takes the guesswork out of mineral nutrition.”

Together they help build the right mineral programme for your herd.



TEST



KNOW

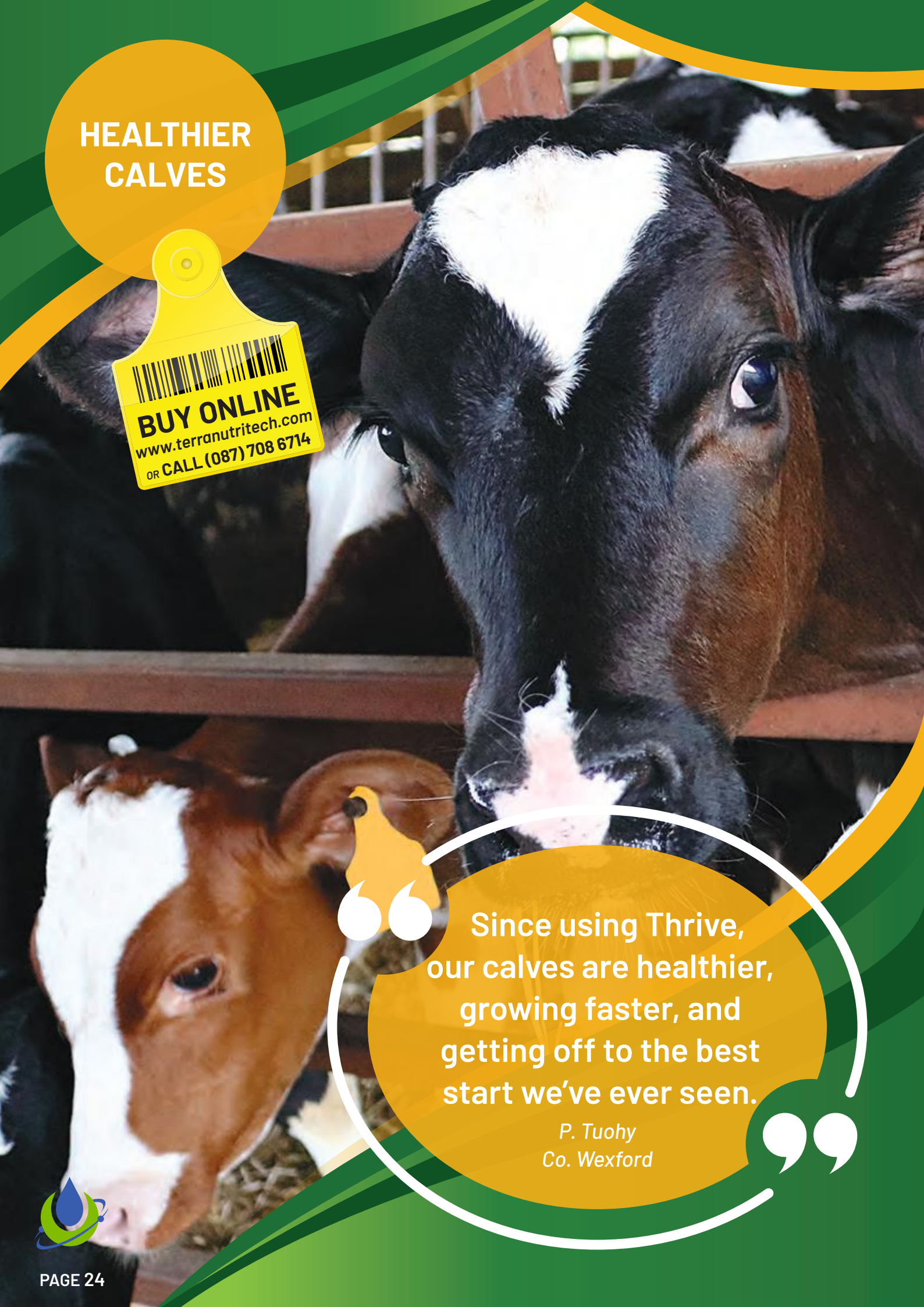


IMPROVE



DID YOU KNOW?

Many magnesium deficiencies show no visible signs until cows experience milk fever, grass tetany or reduced performance. Testing allows you to supplement accurately instead of guessing.



HEALTHIER CALVES



“ Since using Thrive,
our calves are healthier,
growing faster, and
getting off to the best
start we’ve ever seen.”

P. Tuohy
Co. Wexford



AVAILABLE IN:



10g/head/day

THRIVE - YOUNG STOCK

A blend designed for growth, health, and development.

Has a role to play in:

- ✓ PROMOTING YOUNG STOCK HEALTH
- ✓ MAXIMISING GROWTH POTENTIAL
- ✓ ENHANCING IMMUNITY
- ✓ ACHIEVING TARGET WEIGHTS
- ✓ LESS HEALTH PROBLEMS

When to use:

To promote better growth and weight gain in young stock.

Ingredients:

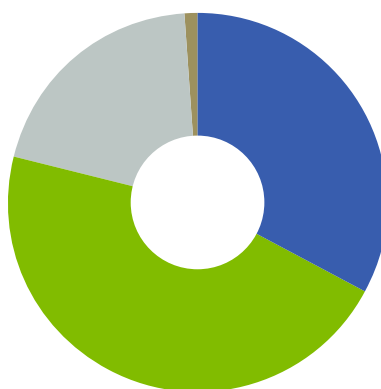
Cobalt / Selenium / Copper / Zinc / Iodine

YOUNG STOCK

We asked farmers if they had seen fewer calving issues since using the Terra NutriTECH system?

79%

of farms have seen better calving results*



Yes	79%
Not sure	20%
No	1%

*Stats taken from TERRA NutriTECH IFAC Customer Report.

*"Since improving our mineral programme, our calves are **stronger, healthier, and thriving** from day one."*

**BETTER
WEIGHT
GAIN**



“ Don't see it as
spending money on
animals but investing
in them and getting
a good return on my
investment

M. Broderick,
Co. Cork



AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

BEEF FINISHER

A blend of minerals to maximize growth while strengthening the feet.

Has a role to play in:

- ✓ MAXIMISING WEIGHT GAIN
- ✓ BOOSTING IMMUNITY
- ✓ MAXIMISING FEED CONVERSION
- ✓ BETTERING HOOF HEALTH

When to use:

For 90 days prior to slaughter.

Ingredients:

Zinc / Copper / Selenium / Cobalt / Iodine
Vitamin D / Vitamin E

AVAILABLE IN:



1000 (Kg)



200 (Kg)



20 (Kg)



10g/head/day

BEEF THRIVE

A blend designed for growth, health and development.

Has a role to play in:

- ✓ PROMOTING HERD HEALTH
- ✓ HEALTHIER ANIMALS
- ✓ BOOSTING IMMUNITY
- ✓ REACHING THE TARGET WEIGHT
- ✓ LESS HEALTH PROBLEMS
- ✓ MAXIMISING GROWTH POTENTIAL

When to use:

To promote better growth and weight gain.

Ingredients:

Copper / Selenium / Zinc / Cobalt / Iodine

CHOOSE THE RIGHT DOSING SYSTEM FOR YOU

WHOLE FARM OPISPRO



DOSING SYSTEM
Doses (One - Six) Mineral Blends

Doses up to six mineral blends to all animals on-farm.

GO MOBILE AQUAMOOV



DOSING SYSTEM
Doses (One) Mineral Blend

Used to dose one mineral blend into an individual trough.

Battery Powered.

POWERED AQUAHERD



DOSING SYSTEM
Doses (One) Mineral Blend

Used to dose one mineral blend into a water line.

ALL OUR SYSTEMS DOSE ACCURATELY BECAUSE THEY
FOLLOW WATER CONSUMPTION PATTERNS

www.terranutritech.com



Use our app to precisely input animal numbers
and dosage rates for best results.

'BE IN CONTROL OF YOUR HERD'



Download the App:



APP

WE MAKE
HERD HEALTH
EASY

www.terranutritech.com



EVERY ANIMAL. EVERY TIME.

MINERALS THROUGH WATER



Overall the
TERRA NutriTECH
Dosing System helps
my bottom line with
less labour and better
fertility

IFAC Customer Report

OPISPRO CONTROLLER

HERD SIZE (100+)

IN-WATER PRECISION MINERAL SYSTEMS

USAGE:

- ✓ 100+ Animals
- ✓ Water-pipes supplying drinking troughs only

THROUGH WATER

Easy
to install
& use

Healthier
animals

HOW IT WORKS:



TECHNOLOGY

WHAT IT CAN DO:

- Dose multiple products for increased accuracy
- Dose up to three separate zones/sheds
- Eliminate waste
- App controlled
- Change rates or animal numbers easily
- Tracks and reacts to water consumption

BENEFITS:

- ✓ EXACT DOSING
- ✓ REDUCES LABOUR
- ✓ WATER ALARMS
- ✓ ELIMINATES HUMAN ERROR
- ✓ CUT FEED BILLS

"Take minerals out of the meal"



MINERALS THROUGH FEED

“The TERRA NutriTECH
TMR System
automates water &
minerals for every mix.
Super easy!”



OPISMIX - FEED WAGON

HERD SIZE (100+)

IN-FEED PRECISION MINERAL SYSTEMS

USAGE:

- ✓ 100+ Animals
- ✓ Minerals through feed - mixed in Feed Wagon / TMR

THROUGH FEED

Easy
to install
& use

Healthier
animals

HOW IT WORKS:



TECHNOLOGY

WHAT IT CAN DO:

- Auto dose preset minerals
- Recipes for all animal groups
- Set number of animals wagon is feeding
- Quickly dispense water and minerals directly into feed as it is mixing
- Dose up to six blends
- Eliminate waste

BENEFITS:

- ✓ EXACT DOSING
- ✓ EVEN SPREAD OF MINERALS IN MIX
- ✓ ELIMINATES HUMAN ERROR
- ✓ GET BETTER RESULTS

"Target mineral deficiencies"

**BUILT TO
MOVE WITH
YOUR HERD**

**Take Precision Mineral
Dosing Anywhere**

Simple. Portable. Ready wherever
your herd goes.

AQUAMOOV

**FARM SIZE
SMALL to
LARGE**

Dairy, beef and
sheep
operations

“It’s simple - connect
to the app, select your
minerals, drop the
dosing line into the
water, and it’s hands-off
from there.”

T. Scott
Co. Kilkenny



AQUAMOOV™

ALL HERD SIZES

PRECISION MINERAL SYSTEMS

- ✓ Long life rechargeable battery
- ✓ Rugged all weather system
- ✓ Alerts
- ✓ Long term warranty and easily maintained
- ✓ Single product use

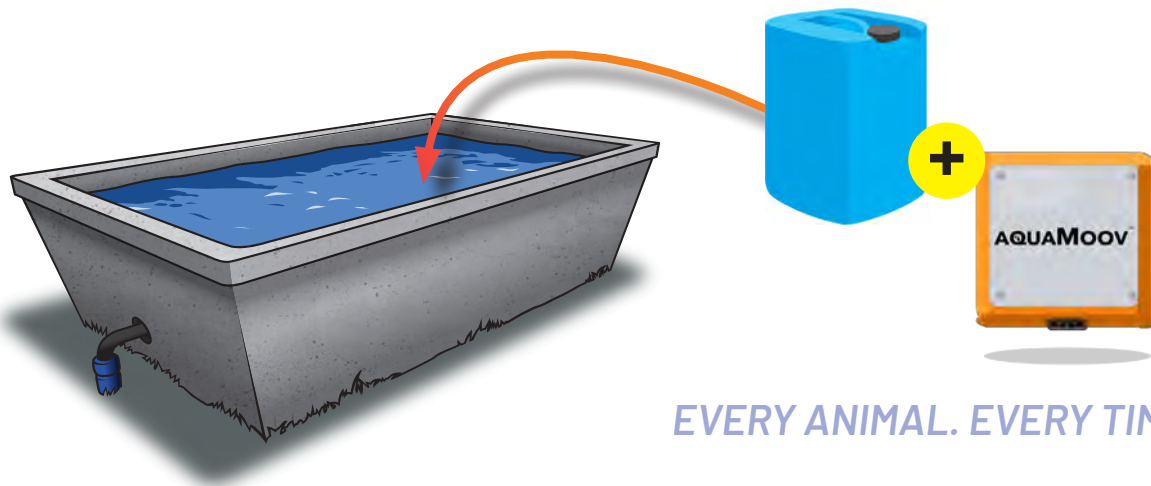
SOLAR OR POWERBANK
APP CONTROLLED

Easy
to use

No
install

HOW IT WORKS:

Doses one product into an individual trough



EVERY ANIMAL. EVERY TIME.



Suits all pasture drinkers
– no changes
needed.



Full control with
option for custom
dosing schedule.



Dose matches product
and herd size
eliminating waste.



Early warnings before
power or product
run out.



Product
use reports.



Long term
hands off usage.



Future ready – compatible
with a wide range of
supplements and minerals!

CONTACT INFO: E: sales@terranutritech.com P: (087) 708 6714

ACCURATE MINERAL DOSING

In-Line Dosing System

AQUAHERD™

"One pump Dosing"

One mineral blend for indoor
or outdoor use.

FARM SIZE SMALL to LARGE

Suitable for pasture
or indoor beef,
dairy or sheep
operations

It's great
satisfaction knowing
my herd are always
getting the minerals
they require.

B. Byrne
Co. Meath



AQUAHERD™

ALL HERD SIZES

PRECISION MINERAL SYSTEMS

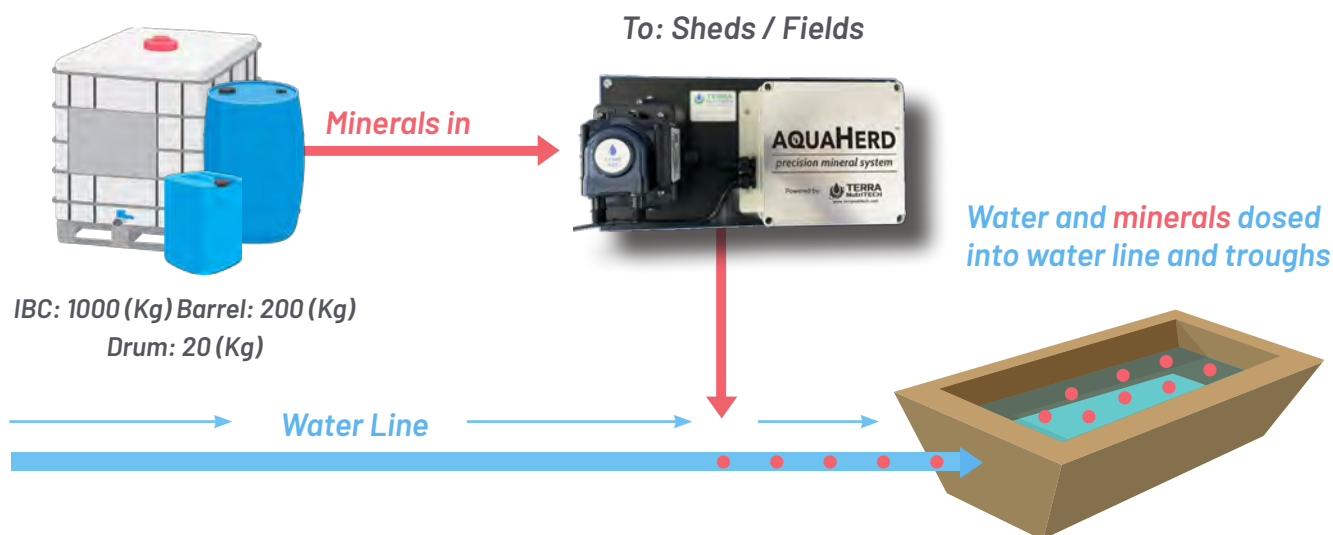
- ✓ 110-220v powered (solar compatible)
- ✓ Long term warranty and easily maintained
- ✓ Single product use
- ✓ Durable design / Alerts
- ✓ Suitable for Low & High pressure water lines

**MAINS OPERATED
APP CONTROLLED**

**Install in
30 mins**

**Simple
to use**

HOW IT WORKS:



TECHNOLOGY



Full control with option for custom dosing schedule.



Dose matches product and herd size eliminating waste.



Long term hands off usage.



Simple installation.
Easy to use.



Early warnings before product run out.



Product use reports.

CONTACT INFO: E: sales@terranutritech.com P: (087) 708 6714



Future ready - compatible with a wide range of supplements and minerals!

MINERALS & DOSING SYSTEMS

TO SUIT ALL HERDS





TERRA NutriTECH provides year-round mineral solutions to address specific issues on farm – fed manually by hand-dosing troughs, or automatically with TERRA NutriTECH's precision dosing systems.

To find the system that suits your farm, see the table below:

	AQUAMOOV MOBILE SYSTEM 	AQUAHERD IN WATER - LINE 	OPISPRO WHOLE FARM 
Herd Size	1+	1+	100 +
Products dosed	1	1	6
Dose multiple zones	-	-	✓
Rechargeable / Mains	Rechargeable	Mains 110v / 220v	Mains 110v / 220v
App Controlled	✓	✓	✓
Remote Monitoring & Control	-	-	✓
Accurate Dosing	✓	✓	✓
Dose single Trough	✓	Single or multiple	✓
Dose through Water Line (multiple troughs)	-	✓	✓
Follow water consumption pattern	Pre-Set	Pre-Set	Monitors Waterflow
Solar compatible	✓	✓	✓
Herd Type	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor

Download the App:



Want to
Learn More:



CALL RONAN TODAY
(087) 708 6714

USE PREMIUM MINERALS FOR

CALVING

FERTILITY

MILK YIELD

HERD HEALTH

YOUNG STOCK

BEEF

365 CARE

WITH

ACCURATE DOSING SYSTEMS

OPISPRO



WHOLE FARM

AQUAMOOV



GO MOBILE

AQUAHERD



IN WATER LINE

FOR IMPROVED RESULTS.



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