



# *Mineral Range & Dosing Systems*



- Healthier animals
- Boost farm profits
- Reduce labour & save time







“

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

*Photo credit: Lorraine O'Sullivan*

**W**elcome 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 bring precision to farming, this helps make animals healthier and life easier on the farm.

TERRA NutriTECH works hard to ensure all products are manufactured to the highest standards and quality to ensure your animals get the minerals they need, when they need them.

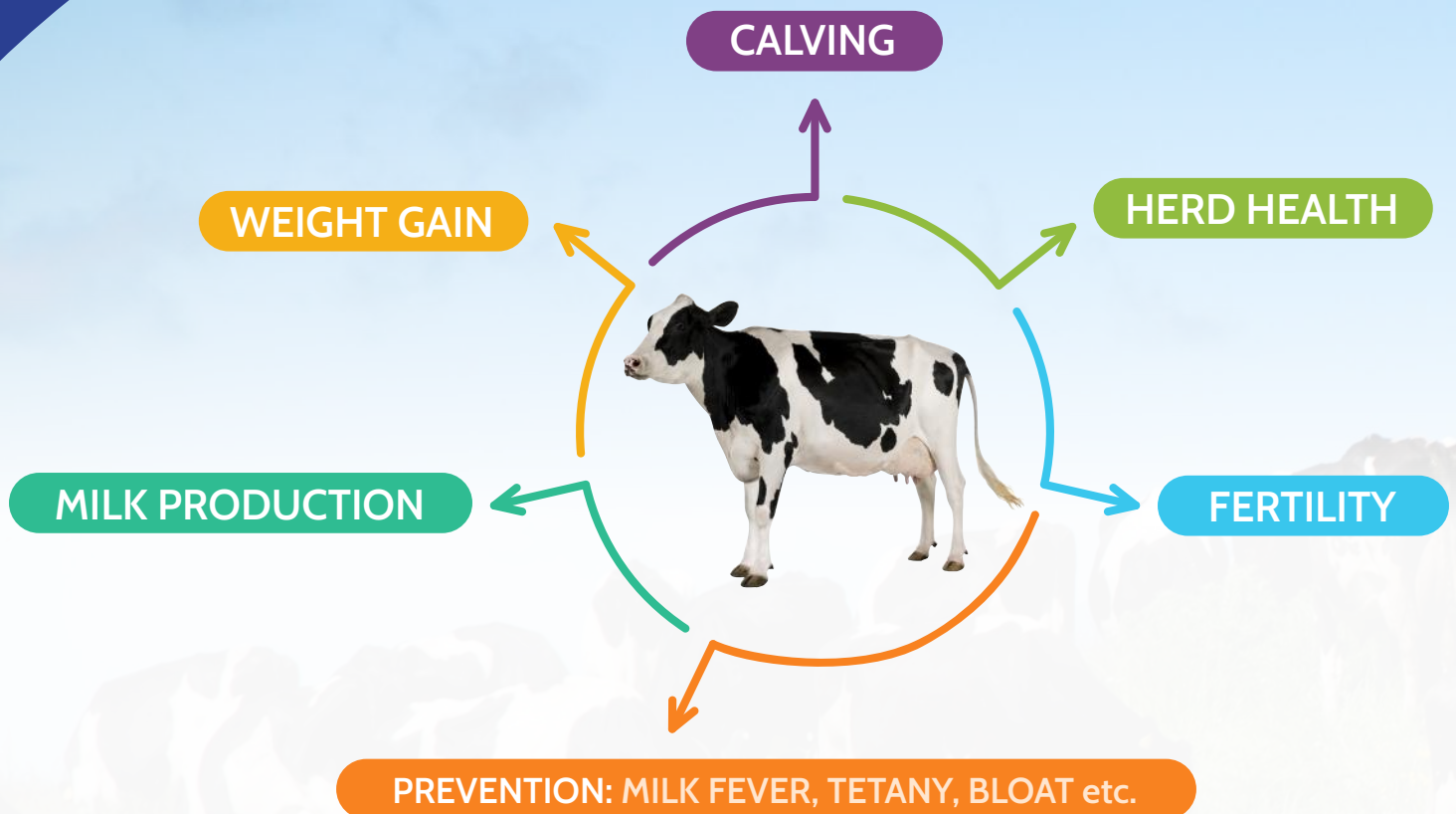
We would like to thank all our customers for choosing to use TERRA NutriTECH products, and we will continue to innovate to bring the best solutions to all our farmers going forward.

*Padraig Hennessy*  
**CEO - TERRA NutriTECH**





# MINERALS ARE ESSENTIAL IN 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  
everyday.”

K. Doyle  
Co. Wexford

 **TERRA**  
Nutri**TECH**  
precision mineral systems





A black and white cow with yellow ear tags is the central focus, standing in a lush green field. Another cow is partially visible to the left. The background is a clear blue sky. The image is framed by a green decorative border at the top.

Every herd has a daily mineral requirement based on:

- *basic metabolic need*
- *production level requirements*
- *stage of breeding cycle*
- *and external factors such as weather, soil, 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

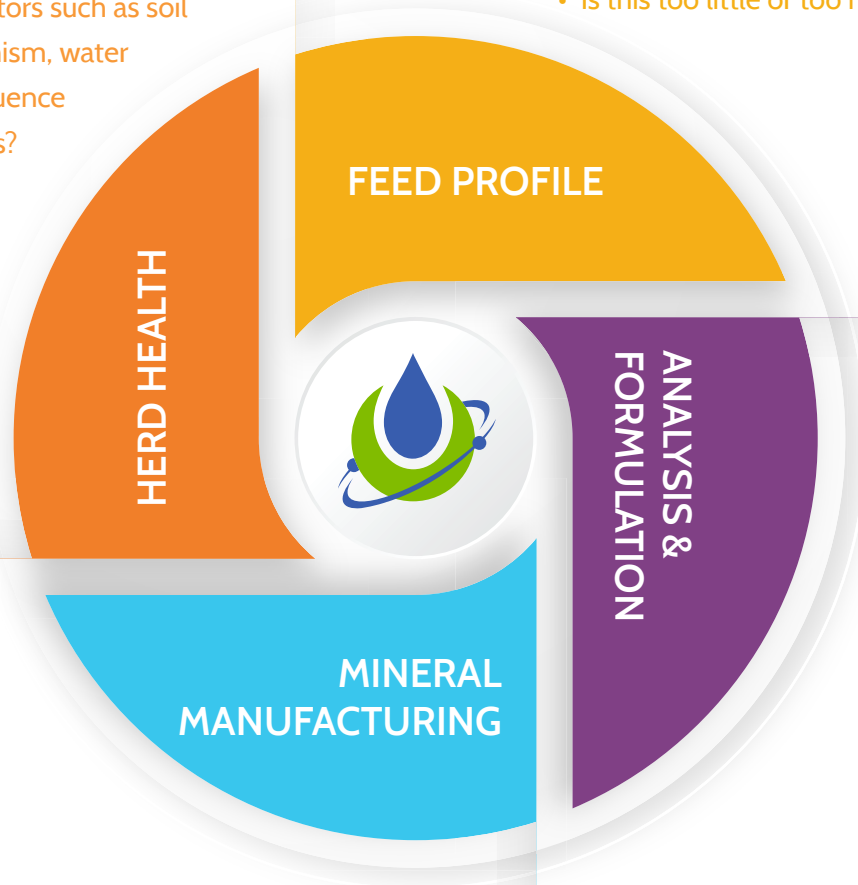
## HERD HEALTH

- 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

- TERRA NutriTECH has a state of the art production facility
- TERRA NutriTECH can manufacture custom mineral blends



## ANALYSIS & FORMULATION

- Blood mineral status of herd
- Establish herd benchmark
- Using predicted herd requirements formulate appropriate mineral blend
- Ongoing analysis to monitor



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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**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:



20 (Kg)



200 (Kg)



1000 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## CALVING PLUS

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

### Benefits:

- ✓ Less calving issues
- ✓ Less retained cleanings
- ✓ Healthier calf
- ✓ Easy transition to milking
- ✓ Faster & easier calvings
- ✓ Set cow up for better fertility

### When to use:

During the dry cow periods 8 - 10 weeks pre-calvings.  
Used with Calving Magnesium.

### Ingredients:

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

## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



20 - 80g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## CALVING MAGNESIUM

Special blend for cows pre-calving to help aid cow and calf.

### Benefits:


- ✓ Reduces milk fever
- ✓ Reduces retained cleanings
- ✓ Improved milk yield
- ✓ Quicker, easier calving
- ✓ Alter rates to suit conditions with Terra Dosing Systems

### When to use:

During the dry cow periods 8 - 10 weeks pre-calvings.  
Used with Calving Plus.

### 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:



20 (Kg)



200 (Kg)



1000 (Kg)



50-100g/hd/d

## USE WITH:



OPIS

OR



ORBIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## EASY CALVE

Used in the final week before calving to reduce milk fever and have easier calvings.

## Benefits:

- ✓ Reduces milk fever
- ✓ Reduces retained cleanings
- ✓ Quicker, easier calving
- ✓ Healthier calves
- ✓ Set cow up for better fertility
- ✓ Reduces displaced abomasum

## When to use:

Up to 1 week before cow calves in close up calving pens. Used with Calving Plus

## Ingredients:

Magnesium / Selenium / Iodine

## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



150g/hd/d

## USE WITH:



ORBIE

Dose troughs manually or through Terra ORBVIE Dosing System.  
Full details see Pg: (42 - 45)

PRE CALVER  
WITH MAGNESIUM

All in one blend to prepare cow and calf for a healthier birth.

## Benefits:


- ✓ Less milk fever
- ✓ Less retained cleanings
- ✓ Healthier calves
- ✓ Easy transition to milking
- ✓ Faster calvings
- ✓ Sets cow up for better fertility
- ✓ Reduced displaced abomasum
- ✓ Reduced vet and medicine fees

## When to use:

8 - 10 weeks pre-calving.  
For use with 'ORBIE' Dosing System.

## Ingredients:

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



Minerals can be  
customised to suit  
farm requirements.

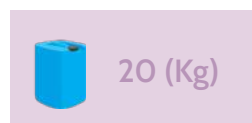
“My vet and  
medicine bills  
are down  
considerably

*B. Flood,  
Co. Wexford*”





AVAILABLE IN:



20 (Kg)

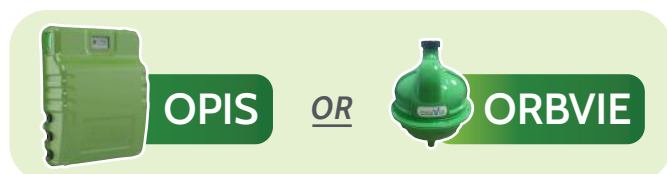


200 (Kg)



15g/hd/d

USE WITH:



Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## TRANSITION IMMUNITY BOOST

Used in herds to help increase cow and calf immunity during calving season.

### Benefits:

- ✓✓ Helps reduce mycoplasma
- ✓✓ Helps reduce metritis
- ✓✓ Helps reduce mastitis
- ✓✓ Improved immunity
- ✓✓ Maximise milk production
- ✓✓ Increases disease resistance, feed efficiency and animal performance.

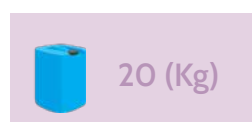
### When to use:

For 30 days pre and post calving.

### Ingredients:

Blend of plant extracts

AVAILABLE IN:



20 (Kg)

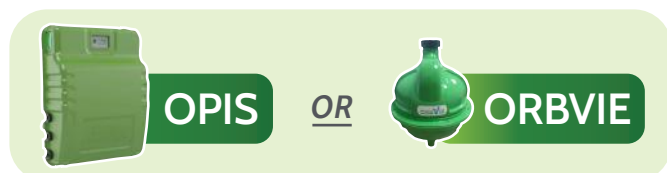


200 (Kg)



5g/hd/d

USE WITH:



Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## HI-IODINE

Used to boost iodine levels in the cow and calf.

### Benefits:

- ✓✓ Stronger calves
- ✓✓ Easier calvings
- ✓✓ Better immunity
- ✓✓ Less stress on cow and calf
- ✓✓ Better fertility
- ✓✓ Less embryo loss

### When to use:

4 - 8 weeks pre-calving and breeding.

### Ingredients:

Iodine

INCREASE  
COW  
FERTILITY



I have  
healthier cows  
that go back in  
calf easier.

*F. Leahy,  
Co. Limerick*





## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## FERTILITY MINERALS

Used to promote better conception and maximise fertility.

### Benefits:

- ✓✓ Tighter calving intervals
- ✓✓ Less empty cows
- ✓✓ Improved heats
- ✓✓ Improved conception
- ✓✓ Less embryonic loss
- ✓✓ Better animal performance

### When to use:

For 6 - 8 weeks pre and post breeding for use with fertility Magnesium and Iodine.

### Ingredients:

Copper / Selenium / Zinc / Vitamin E / Cobalt

## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



15g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## HI-PHOS FERTILITY

Used to promote better fertility for phosphorus deficient diets.

### Benefits:


- ✓✓ Tighter calving intervals
- ✓✓ Less empty cows
- ✓✓ Improved heats
- ✓✓ Improved conception
- ✓✓ Less embryonic loss
- ✓✓ Better animal performance

### When to use:

6 - 8 weeks pre and post breeding for use with Fertility Magnesium and Iodine. For diets lacking Phosphorus or with Pica symptoms.

### Ingredients:

Copper / Selenium / Cobalt / Zinc / Phosphorus



Minerals can be customised to suit farm requirements.

“ I haven't had any grass tetany in years and now I have freedom about how much meal I feed. ”

G. Ryan,  
Co. Tipperary





## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



50-100g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## MAGNESIUM

Used for the prevention of tetany.

## Benefits:

- ✓✓ Helps prevent tetany
- ✓✓ Promotes better milk production
- ✓✓ Healthier cows
- ✓✓ Better mineral mobilisation

## When to use:

In time of high risk of grass tetany or stress.

## Ingredients:

Magnesium

## AVAILABLE IN:



20 (Kg)



200 (Kg)



1000 (Kg)



125-150g/hd/d

## USE WITH:



ORBVIE

Dose troughs manually or through Terra ORBVIE Dosing System.  
Full details see Pg: (42 - 45)

FERTILITY  
MAGNESIUM

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

## Benefits:

- ✓✓ Less empty cows
- ✓✓ Improved heats
- ✓✓ Less embryonic loss
- ✓✓ Tighter calving intervals
- ✓✓ Improved conception
- ✓✓ Less tetany

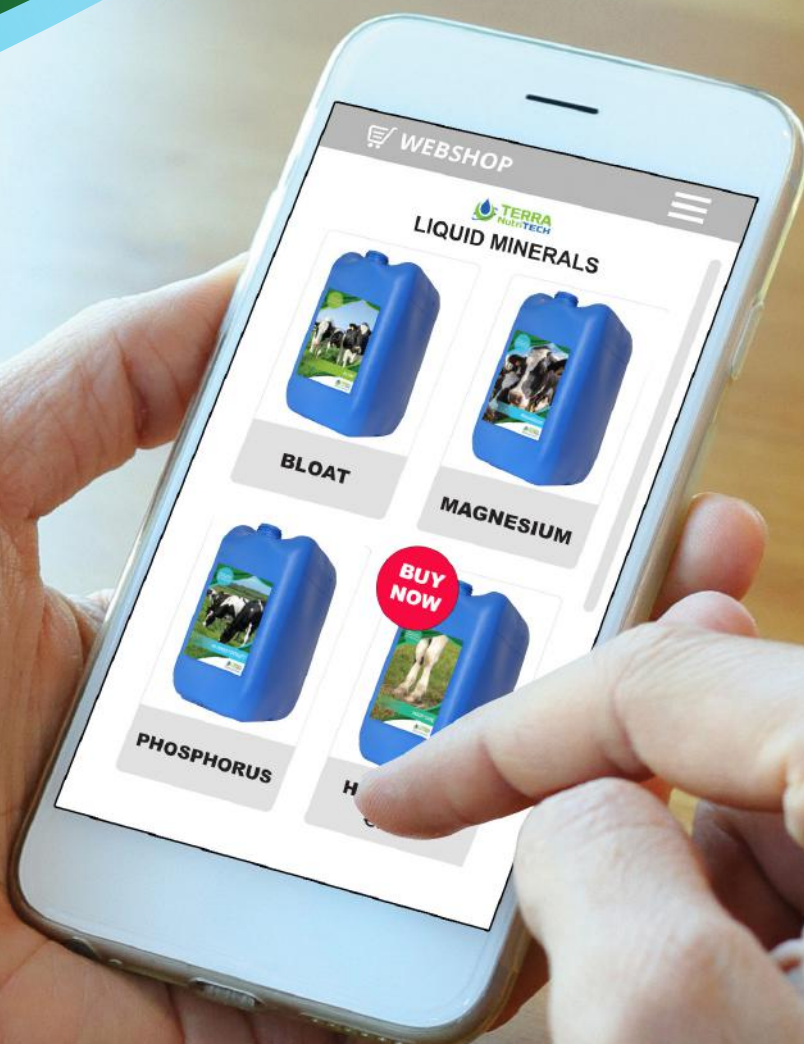
## When to use:

6 - 8 weeks pre & post calving.  
For use with 'ORBVIE' Dosing System.

## Ingredients:

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

REDUCE  
MILK  
UREA



“Using Nitrobond  
has helped me stop  
embryonic loss and  
reduce my empty rate  
by over 50%.”

J. O'Reilly,  
Co. Offaly



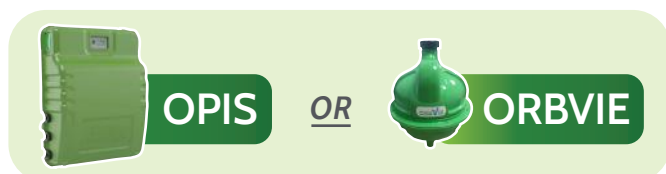


#### AVAILABLE IN:



10g/hd/d

#### USE WITH:



Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## NITROBOND

Used to promote better conception and reduce milk urea in periods of high grass growth.

#### Benefits:

- ✓ Increase milk solids
- ✓ Reduce embryonic loss
- ✓ Lower urea levels in blood and milk
- ✓ Improved fertility
- ✓ Better energy conversion
- ✓ Less ammonia and nitrogen excreted

#### When to use:

During breeding for herds with high milk urea.

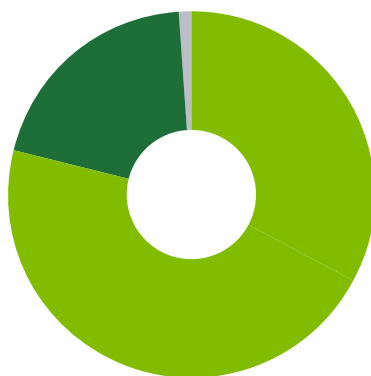
#### Ingredients:

Natural plant extract

FERTILITY

We asked farmers if the TERRA NutriTECH System has reduced calving issues in their herd.

Calving issues reduced on  
**79%**  
of farms



Significantly reduced	33%
Reduced	46%
No change	20%
Increased	1%

\*Stats taken from TERRA NutriTECH IFAC Customer Report 2020.

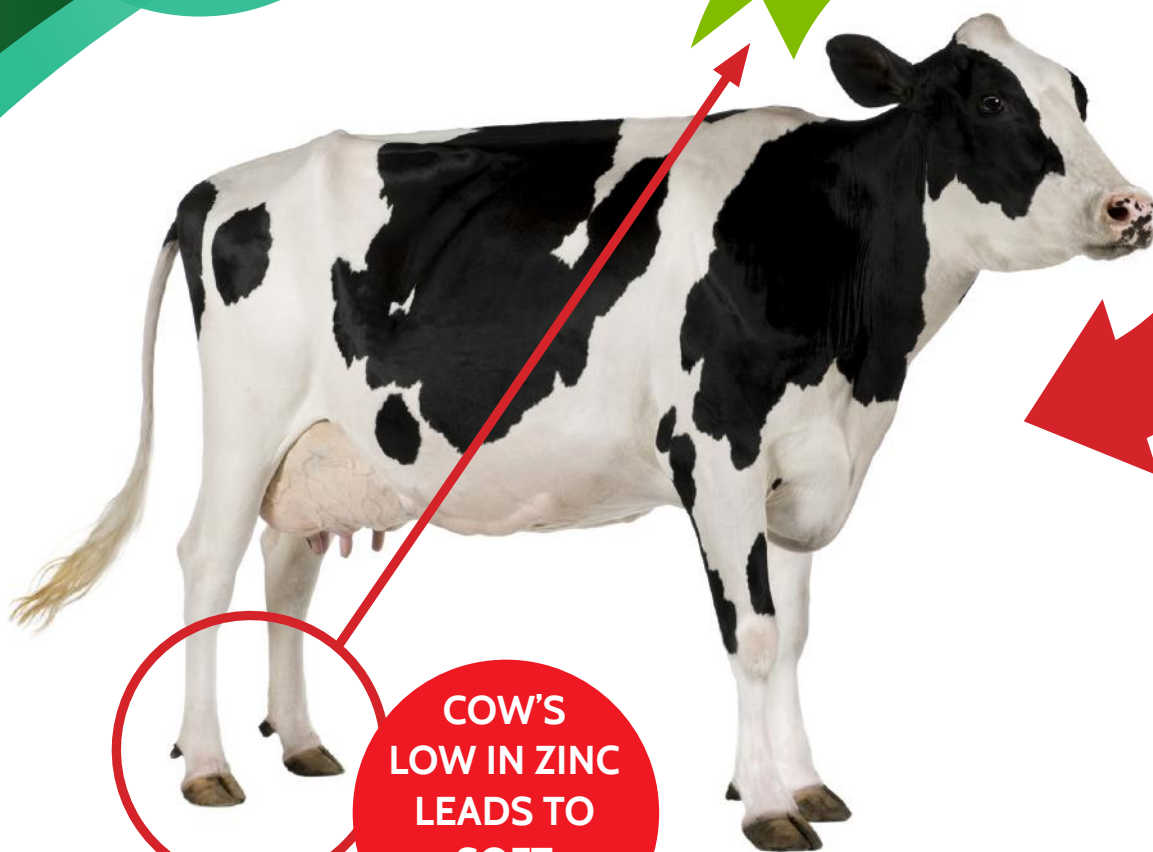
**4** out of **5** Farmers have reported improved or *significantly improved fertility.*

GOOD  
HOOF  
HEALTH

HIGH ZINC\*

JUL - NOV

PREVENT LAMENESS  
DEC - FEB



COW'S  
LOW IN ZINC  
LEADS TO  
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:



20 (Kg)



200 (Kg)



1000 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## YIELD AND HOOF SUPPORT

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

### Benefits:

- ✓ Reduces lameness
- ✓ Better milk production
- ✓ Boosts immunity
- ✓ Healthier animals
- ✓ Less sick cows

### When to use:

During mid to late stage lactation.

### Ingredients:

Copper / Selenium / Zinc / Vitamin E / Cobalt

## AVAILABLE IN:



20 (Kg)



200 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## HOOF CARE

To support hoof health and reduce lameness issues.

### Benefits:

- ✓ Reduces lameness
- ✓ Hardens hooves
- ✓ Reduces costs
- ✓ Better herd performance
- ✓ Less culling of cows

### When to use:

Use throughout the year to help reduce issues.

### Ingredients:

Zinc / Biotin

Minerals can be customised to suit farm requirements.



Cow health post-calving is excellent.

R. Kavanagh,  
Co. Kildare





#### AVAILABLE IN:



20 (Kg)

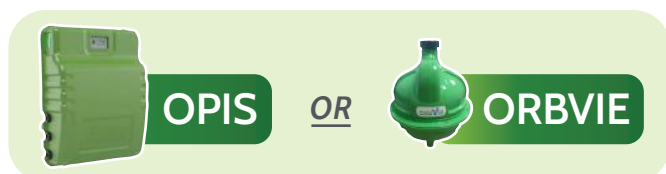


200 (Kg)



10g/hd/d

#### USE WITH:



Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## VITAMIN MIX

For high-yielding *indoor herds* to balance vitamin intake and boost performance.

#### Benefits:

- ✓ Improved milk yield
- ✓ Less calving issues
- ✓ Healthier calves
- ✓ Boosts immunity

#### When to use:

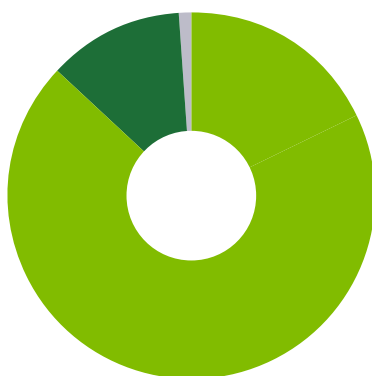
All year round for high yielding indoor herds.

#### Ingredients:

Vitamin A / Vitamin D3 / Vitamin E

## 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 2020.

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

**REDUCE  
RISK**



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

*M. Ryan,  
Co. Cork*





## AVAILABLE IN:



20 (Kg)



200 (Kg)



20g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## PICA (Phosphorus)

Used to help reduce cows eating stones, clay etc.

### Benefits:

- ✓✓ Reduces PICA symptoms
- ✓✓ Reduces health issues
- ✓✓ Reduces damage to roadways, ditches etc
- ✓✓ Prevent digestive problems and animal loss due to ingestion of foreign objects

### When to use:

When the first symptoms of abnormal eating patterns are seen e.g. eating stones, soil, plastic, drinking urine etc.

### Ingredients:

Phosphorus / Sodium

## AVAILABLE IN:



20 (Kg)



200 (Kg)



20 - 40g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## BLOAT

Used to stop bloating symptoms occurring from lush grass and high clover pastures.

### Benefits:

- ✓✓ Reduces animal loss
- ✓✓ Reduces labour
- ✓✓ Improves milk yield
- ✓✓ Supports herd health
- ✓✓ Maximise grass utilisation

### When to use:

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

### Ingredients:

Blend of Oils

A man with short brown hair, wearing a blue denim shirt, is smiling and looking towards the camera. He is standing in front of a herd of cows in a farm setting. The background is slightly blurred, showing the cows and some farm structures. The overall image has a green and red decorative border at the top and bottom.

## FASTER RECOVERY

“ It helped reduce issues on the farm and has been beneficial to herd health. Overall I would highly recommend.

*J. O'Connell,  
Co. Meath*”





#### AVAILABLE IN:



20 (Kg)



200 (Kg)



15g/hd/d

#### USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## IMMUNITY BOOST

Used to boost recovery in sick or weak animals.  
Helps increase immunity all year round.

#### Benefits:

- ✓ Improved immunity
- ✓ Increases disease resistance, feed efficiency and animal performance.
- ✓ Helps reduce metritis
- ✓ Helps reduce mastitis
- ✓ Helps reduce mycoplasma
- ✓ Maximise milk production

#### When to use:

During periods of stress, illness or for animals in recovery.

#### Ingredients:

Blend of plant extracts



#### OUR IMMUNITY BOOST HELPS COWS WITH HEALTH ISSUES SUCH AS:



STRESS FACTORS



UNDER PERFORMING



INJURY



LAME OR SICK



## HEALTHIER CALVES

  
**BUY ONLINE**  
[www.terranutritech.com](http://www.terranutritech.com)  
OR CALL (087) 708 6714

*I haven't seen  
crypto in a good  
number of years*

*Pre-weaning weights  
are excellent*

*No antibiotics have been  
given to any of the  
calves this year*

*Using 'Aura Calf'  
my calves are  
definitely healthier.  
They are the best  
they have ever been.*

*P. O'Connell,  
Co. Limerick*





#### AVAILABLE IN:



20 (Kg)



10g/hd/d

#### USE WITH:



**ORBVIE**

Dose troughs manually or through Terra ORBVIE Dosing System.  
Full details see Pg: (42 - 45)

## AURA CALF

Makes calf rearing  
easier, safer and more efficient.

### Benefits:

- ✓✓ Improves gut health
- ✓✓ Reduce issues of scour
- ✓✓ Improves nutrient absorption
- ✓✓ Stimulates recovery after scour
- ✓✓ Healthier and bigger calves
- ✓✓ Reduce antibiotic usage

### When to use:

From calving up to 6 months old. For use with  
'ORBVIE' Dosing System.

### Ingredients:

Blend of plant extracts.

#### AVAILABLE IN:



20 (Kg)



200 (Kg)



10g/hd/d

#### USE WITH:



**OPIS**

OR



**ORBVIE**

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

## THRIVE

A blend of minerals to help with  
growth, health and weight gain.

### Benefits:

- ✓✓ Improved health
- ✓✓ Achieve target weights on time
- ✓✓ Maximise growth potential
- ✓✓ Supports immunity development
- ✓✓ Supports herd health
- ✓✓ Increases fertility

### When to use:

For calves 2 months and older. All year round to  
maximise weight gain.

### Ingredients:

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

A photograph of two black and white calves in a lush green field filled with yellow wildflowers. The calf on the left is looking towards the camera, while the one on the right is looking down. Both have yellow ear tags. The image is framed by green and orange decorative borders.

**BOOST  
YOUR  
CALVES**

“My calves are  
thriving better.  
and have no issues  
with scour.”

T. Stack,  
Co. Kerry





AVAILABLE IN:



20 (Kg)



200 (Kg)



## RUMEN GUARD

Helps prevent and minimise summer scour by improving young calves' gut health.

### Benefits:

- ✓ Reduce coccidia
- ✓ Better weight gain
- ✓ Boosts immunity
- ✓ Less sick animals
- ✓ Better rumen function
- ✓ Better nutrient uptake

USE WITH:

10g/hd/d



**ORBIE**

Dose troughs manually or through Terra ORBVIE Dosing System.  
Full details see Pg: (42 - 45)

### When to use:

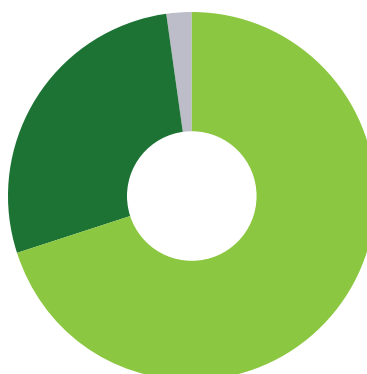
From 30 days after calving up to 6 months old.  
For use with 'ORBIE' Dosing System.

### Ingredients:

Blend of plant extracts.

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 2020.

**7** out of **10** farms have seen an improvement in their **overall herd health.**



**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:



20 (Kg)



200 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

**BEEF FINISHER**

A blend of minerals to maximise weight gain in finishing cattle while helping hoof health.

**Benefits:**

- ✓✓ Maximise weights
- ✓✓ Less health issues
- ✓✓ Maximise feed conversion
- ✓✓ Better hoof health
- ✓✓ Increased immunity

**When to use:**

For 90 days prior to slaughter.

**Ingredients:**

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

## AVAILABLE IN:



20 (Kg)



200 (Kg)



10g/hd/d

## USE WITH:



OPIS

OR



ORBVIE

Dose troughs manually or through Terra Dosing Systems.  
Full details see Pg: (36 - 45)

**BEEF THRIVE**

A blend to help with growth, health and weight gain.

**Benefits:**

- ✓✓ Improved health
- ✓✓ Achieve target weights on time
- ✓✓ Maximise growth potential
- ✓✓ Supports immunity development
- ✓✓ Supports herd health

**When to use:**

For growing beef animals.

**Ingredients:**

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

# CHOOSE THE RIGHT DOSING SYSTEM FOR YOU

## WHOLE FARM OPIS



**DOSING SYSTEM**  
Doses (One - Six) Mineral Blends

*(Full details see Pg: 38 - 41)*

Used to dose up to six mineral blends to all animals on-farm.

## GO MOBILE ORBVIE BATTERY



**DOSING SYSTEM**  
Doses (One) Mineral Blend

*(Full details see Pg: 42 - 43)*

Used to dose one mineral blend into an individual trough.

## 1+ TROUGH ORBVIE MAINS



**DOSING SYSTEM**  
Doses (One) Mineral Blend

*(Full details see Pg: 44-45)*

Used to dose one mineral blend into 1+ troughs or entire water line.

ALL OUR SYSTEMS DOSE ACCURATELY BECAUSE THEY  
FOLLOW WATER CONSUMPTION PATTERNS

[www.terranutritech.com](http://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](http://www.terranutritech.com)



**PRECISION  
MINERAL SYSTEMS**

A man wearing a grey jacket and a black beanie is standing outdoors, operating a large green plastic fertilizer dispenser. He is pressing a button on the side of the dispenser. The dispenser has a digital display and a hose attached to the bottom. The background shows a fence and some trees.

## MINERALS THROUGH WATER

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

*IFAC Customer Report 2020*”





## OPIS CONTROLLER

## HERD SIZE (100+)

IN-WATER PRECISION MINERAL SYSTEMS

### USAGE:

- ✓ 100+ Cows
- ✓ Water-pipes supplying drinking troughs only
- ✓ Power required

### 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
- ✓ REDUCE DAILY TASKS
- ✓ NEVER RUN OUT OF PRODUCT
- ✓ WORKING 24/7
- ✓ CONFIDENT THE CORRECT MINERALS ARE FED EVERY DAY
- ✓ WATER ALARMS
- ✓ ELIMINATES HUMAN ERROR



## MINERALS THROUGH FEED

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

*S. Kelly  
Co. Tipperary*





## OPIS- FEED WAGON

## HERD SIZE (100+)

IN-FEED PRECISION MINERAL SYSTEMS

### USAGE:

- ✓ 100+ Cows
- ✓ Feeder wagon / TMR
- ✓ Water & power required close to mixing area

### 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 one to six products for accuracy
- Eliminate waste

### BENEFITS:

- ✓ EXACT DOSING
- ✓ NO LABOUR
- ✓ NEVER RUN OUT OF PRODUCT
- ✓ EVEN MIXING OF MINERALS
- ✓ CONFIDENT THE CORRECT MINERALS ARE FED EVERY DAY
- ✓ ELIMINATES HUMAN ERROR
- ✓ GET BETTER RESULTS

**MOVES  
WITH YOUR  
HERD**

**ORB VIE**

*1 x Mineral blend used*

*Scan QR code  
to download APP,  
Re-order Mineral*



**TERRA  
NutriTECH**  
*Precision Mineral Systems*

*Long Life  
Battery*

“Simply drop it in  
the trough & it works  
away itself. I just get an  
alarm when it needs  
to be refilled.”





#### USAGE:

- ✓ Accurate dosing by following normal consumption patterns
- ✓ Mobile unit
- ✓ Long life / re-chargeable battery
- ✓ Doses one product into an individual trough

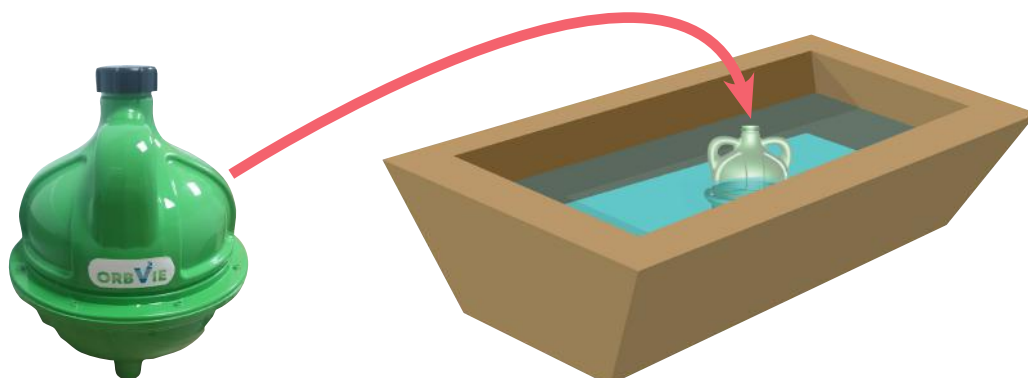
**BATTERY OPERATED  
APP CONTROLLED**

*Easy  
to use*

*No  
install*

#### HOW IT WORKS:

*Doses one product into an individual trough*



*x 5 Litre Mobile Mineral Dispenser*

TECHNOLOGY

#### WHAT IT CAN DO:

- Auto dose one mineral blend
- App controlled
- Set herd numbers and dosage rates
- Dosing follows pre-set water consumption pattern
- Easily filled
- Floats in water trough
- Suitable in all weathers

#### BENEFITS:

- ✓ PORTABLE (INDOOR & OUTDOOR)
- ✓ LESS LABOUR
- ✓ EXACT DOSING
- ✓ EASILY RE-ORDER PRODUCT
- ✓ NO WASTE
- ✓ REFILL & BATTERY REMINDER SENT TO PHONE
- ✓ GET BETTER RESULTS

## ACCURATE MINERAL DOSING

OrbVie .....  
Dosing System

x 1 Pump .....  
dosing x 1 mineral blend

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

B. Byrne  
Co. Meath



#### USAGE:

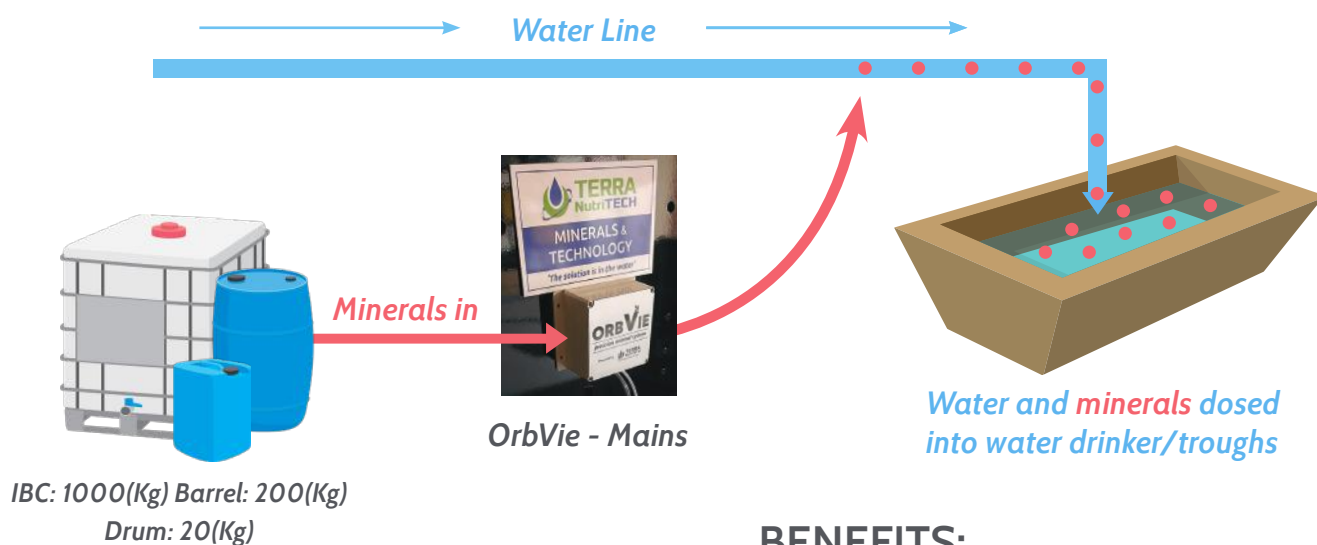
- ✓ Accurate dosing by following normal consumption patterns
- ✓ Doses one product into the water line for one or more troughs
- ✓ Up to 5.5 bar pressure
- ✓ Indoor installation / power outlet required

**MAINS OPERATED  
APP CONTROLLED**

*Install in  
30 mins*

*Simple  
to use*

#### HOW IT WORKS:



#### WHAT IT CAN DO:

- Auto dose one mineral blend
- APP controlled
- Set herd numbers and dosage rates
- Follows water consumption pattern
- Easily refilled

#### BENEFITS:

- ✓ EASY DOSING
- ✓ ACCURACY FOR ANY HERD SIZE
- ✓ LESS LABOUR
- ✓ REFILL REMINDER SENT TO PHONE
- ✓ EASILY RE-ORDER PRODUCT
- ✓ CONFIDENT THE CORRECT MINERALS ARE FED
- ✓ NO WASTE



TERRA NutriTECH can provide minerals for use throughout the year and to address specific issues on farm. These minerals can be fed by hand dosing troughs or using TERRA NutriTECH dosing technology.

To decide which system suits your farm please see the table below:

	OrbVie Mobile	OrbVie Mains (Water System)	OPIS Controller
<i>Herd Size</i>	1+	1+	100+
<i>Products dosed</i>	1	1	6
<i>Dose multiple zones</i>	-	-	✓
<i>Rechargeable / Mains</i>	Rechargeable	Mains 110v / 220v	Mains 110v / 220v
<i>App Controlled</i>	✓	✓	✓
<i>Remote Monitoring &amp; Control</i>	-	-	✓
<i>Dose grams/head/day</i>	✓	✓	✓
<i>Dose single Trough</i>	✓	Single or multiple	Single or multiple
<i>Dose through Water Line (multiple troughs)</i>	-	✓ (5.5 Bar max)	✓ (10 Bar max)
<i>Follow water consumption pattern</i>	Pre-Set	Pre-Set	Monitors Waterflow
<i>Indoor / Outdoor</i>	Indoor / Outdoor	Indoor	Indoor / Outdoor



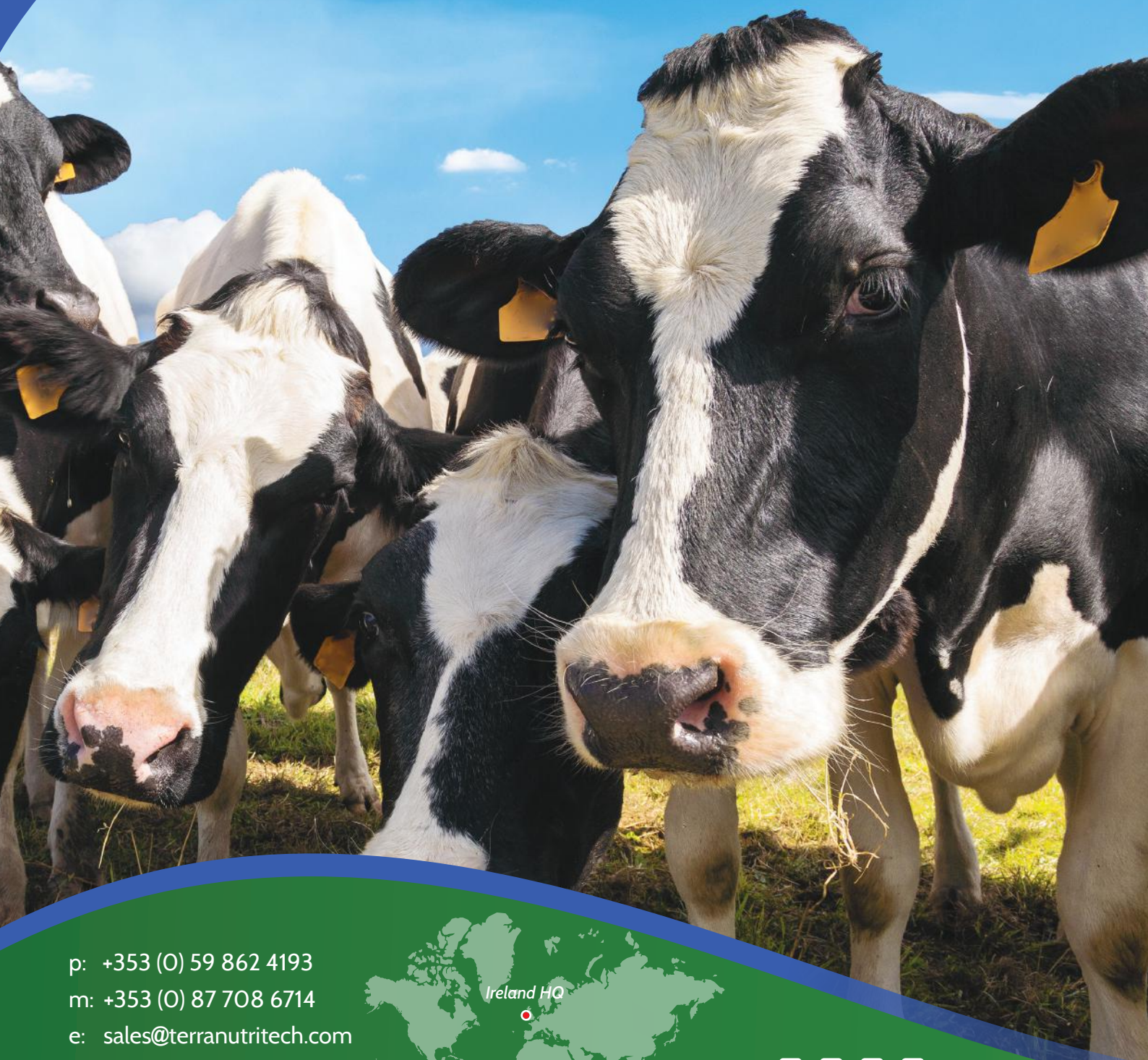
NOTES



***PRECISION  
MINERAL SYSTEMS***



**BUY ONLINE**  
[www.terranutritech.com](http://www.terranutritech.com)  
**OR CALL US TODAY!**



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w: [www.terranutritech.com](http://www.terranutritech.com)

