

NitroFert

SUPERIOR FERTILISER. SUPERIOR GROWTH

The Grassland & Tillage Product Range



THE GRASSLAND RANGE

Premium quality fertilisers for Irish grassland farms

A specially formulated range of high performance fertilisers that will maximise your yield potential

GRASS IS KEY TO SUCCESS

DAIRYSELECT

Since the abolition of milk quotas in 2015, Irish dairy farmers have had to focus on the most efficient production systems possible in order to reach their profit potential. Good grassland management is key to this success. Farms that grow quality grass swards will be more responsive to fertiliser applications and will increase the overall productivity of the enterprise.

A UNIQUE PRODUCT

Unique to NitroFert, the Dairy Select range is a selection of high performance fertilisers designed to meet the demands of today's Irish grassland farms. These highly soluble fertilisers give a much faster response than other products on the market and due to the smaller and even size of the particles they give a consistent even spread with more particles per meter square which leads to faster growth recovery after cutting or grazing. This is a top quality, low dust product with high density, round shape and strength resistance which will throw further allowing a spreading width of 24 meters as verified by independent Spreader testers SCS Ltd in the UK.

MODE OF ACTION OF DAIRYSELECT VERSUS OTHER PRODUCTS

DAIRYSELECT PASTURE & CUT



DairySelect gets to more of the roots quicker - thus ensuring all the plants get a feed.

OTHER PRODUCTS



Other products - struggles to get into the ground & into all the roots. Takes longer to work.

FEATURES OF DAIRYSELECT

- A Superior Fertiliser specifically designed to grow grass makes it the choice of Dairy Farmers all over Ireland & UK.
- Sulphur - an essential nutrient contained in the Pasture, Pasture+ and Cut+ products.
- DairySelect gets INTO the ground and not ON it!
- Completely urea free - only Ammonium Nitrate used.
- 100% pure with no fillers.
- Each ton has has equivalent of 1 Ton of 27% Nitrogen & 1/4
- Ton of 0-10-20 - Giving a little and often feed of P&K as recommended by Teagasc.

WHY IS IT BETTER THAN OTHER PRODUCTS?

- DairySelect gives better ground coverage which means the nutrients are closer to the grass root so nutrient uptake to the plant is faster.
- DairySelect gets to work faster than other products. It produces a faster grass growth response & helps speed up paddock turnaround. Its hydroscopic properties means it dissolves quickly in the soil.
- Granules are uniform in size giving consistent high quality and ease of spreading. This product is of optimum size & density for spreading and spreader calibration as proven in independent tests.
- It is an efficient product that will have less loss of nutrients in heavy rain or very dry weather.
- It is an exceptionally clean, dust free and free flowing product.

SPREADER CALIBRATION

For best results, we recommend following your spreader manufacturer guidelines in setting your spreader for application rate and spread pattern. Please refer to our website www.nitrofert.ie for links to the various spreader companies that our products are listed with.

www.nitrofert.ie

THE IMPORTANCE OF SULPHUR

Over 30% of Irish soils are deficient in sulphur which is an essential nutrient for grass growth and nitrogen efficiency. Sulphur has also been proven to help boost DM yield production, protein and grass sugar content. Products within the DairySelect range that contain Sulphur include: Pasture, Pasture+ and Cut+.

WHO USES DAIRYSELECT?

Ireland's top dairy and grassland farmers recognise the huge benefits from using NitroFert DairySelect. Check out our customer testimonies where the results simply speak for themselves.



MICHEÁL CROWE, CAPPWHITE, CO. TIPPERARY.

Finalist in NDC & Kerrygold Quality Milk Awards 2014.
Tipperary Co Op Supplier.

"Since changing to NitroFert fertilisers over 3 years ago, I have seen a big improvement in the quality of the sward – my cows are happier and more content due to the palatability of the grass and my indexes are showing a rise in soil fertility.

Another big benefit I find with NitroFert is that the high solubility of the fertiliser means I get a quicker regrowth on the next rotation. I am very happy with this range of fertilisers and will continue using Nitrofert into the future."



PAUL & DAVID HYLAND, BALLACOLLA , CO. LAOIS

Dairy Farmers

"We find that since we started using NitroFerts DairySelect Pasture that the grass in the paddocks responds much more quickly than other products and leaves no hulls on the top of the soil.

For us, NitroFert products tick a lot of the boxes: they have consistency, quality & most importantly return on investment!"

DAIRYSELECT PASTURE

Formulated to maximise your grass yield & quality potential. This product gets to work faster than other fertilisers and will lead to quicker paddock recovery after each grazing.

Nutrient Composition

Nitrogen (N)	27%
Phosphorus (P)	2.5%
Potassium (K)	5%
Sulphur (S)	2%

Application Guidelines: For general paddock grazing, apply 75kg per acre. We recommend conducting a soil analysis to establish soil fertility status.

Packaging: Available in 50kg, 500kg, TopLift & Bulk.

DAIRYSELECT PASTURE+

Pasture with extra sulphur! This fertiliser is formulated for sulphur hungry pasture swards to reach their yield potential.

Nutrient Composition

Nitrogen (N)	26%
Phosphorus (P)	2.5%
Potassium (K)	5%
Sulphur (S)	4%

Application Guidelines: For general paddock grazing, apply 75kg per acre. We recommend conducting a soil analysis to establish soil fertility status.

Packaging: Available in 50kg, 500kg, TopLift & Bulk.

DAIRYSELECT CUT

The Silage Maker! This blend of NPK is designed to replace those soil nutrients that a crop of silage takes out. This product will be quickly absorbed by the soil & lead to faster sward recovery after each cut.

Nutrient Composition

Nitrogen (N)	24%
Phosphorus (P)	2.5%
Potassium (K)	10%

Application Guidelines: Where slurry is applied to silage ground at soil index 2, apply 200kgs/acre 8 weeks before cutting. We recommend conducting a soil analysis to establish soil fertility status.

Packaging: Available in 50kg, 500kg, TopLift & Bulk.

DAIRYSELECT CUT+

A high performing fertiliser for sulphur deficient silage ground.

Nutrient Composition

Nitrogen (N)	23%
Phosphorus (P)	2.5%
Potassium (K)	10%
Sulphur (S)	4%

Application Guidelines: Where slurry is applied to silage ground at soil index 2, apply 200kgs/acre 8 weeks before cutting. For silage on sulphur deficient soils, apply 20kg of sulphur per cut.

Packaging: Available in 50kg, 500kg, TopLift & Bulk.

GRANULAR

KICKSTART

Farmers, wake up your grass this spring with Kickstart 38!

Early spring grass is the highest quality, most efficient feed on the farm. According to Teagasc figures, each extra ton of grass eaten is worth €185 per hectare in extra profit! Due to higher animal performance and lower feeding costs, early grazing will generate an increased profit of €2.70 per cow per each extra day at grass.

This granular blended urea based fertiliser is a very cost effective way of getting Nitrogen plus P & K into the plant and will result in plenty of extra spring grass at the start of the grazing season.

Features & Benefits:

- Unlike other urea based products, Kickstart does not deplete the soil of P and K.
- It represents an excellent return on investment. The cost of feeding spring grass is 7c/kg utilizable DM compared to feeding first cut silage at 15c/kg.
- This is a free flowing, dust free product with no fillers like you might find in other urea based products on the Irish market.
- It spreads easily and uniformly thereby optimising nutrient efficiency by the plant.

Application Guidelines: The ideal time to apply KickStart is from January through to mid-April (weather permitting). As this is a urea based product it works best under damp, cool (less than 10 degrees) conditions. It is not recommended for newly reseeded or recently limed ground.

Packaging: Available in 375kg

Nutrient Composition

Nitrogen (N)	38%(Ureic 35.5% + Ammonical 2.5%)
Phosphorus (P)	2.5%
Potassium (K)	5%

NITROSWEET

Sweeten your sward and achieve your yield potential!

This high nitrogen granular fertiliser contains essential nutrients that sweeten the sward and increase grass intake.

Features & Benefits:

- The sodium content will increase palatability of the sward & DM intake by the animal. This will result in livestock eating out the paddocks better and will give cleaner paddocks with thicker swards.
- Nitrogen will increase plant growth and yield resulting in lush, green grass.
- Sulphur is a major soil nutrient that will improve Nitrogen uptake and efficiency and will raise protein content of the grass sward.
- Overall herd health will be improved due to key nutrients such as magnesium that help to reduce grass tetany, stimulates appetite and improves nutrient availability to the plant.

Application Guidelines:

Early Grass: 6-8 weeks before turnout 100-150kg/acre. **General:** After each grazing 75-100kg/acre

Packaging: Available in 500kg & 50kg

Nutrient Composition

Nitrogen (N)	23%
Sulphur (S)	2%
Sodium (Na)	5%
Magnesium (Mg)	1.2%

RICHGRASS

A carefully balanced granular high nitrogen fertiliser containing trace elements.

This is a specially formulated fertiliser that results in a high yielding grass sward with the added benefits of trace elements to give a more palatable sward and healthier herd.

Features & Benefits:

- A cost effective, high spec granular fertiliser containing trace elements.
- Can be spread throughout the grazing season.
- Increases yields and improves DM and protein content of the sward.
- Produces a more palatable sward that improves animal intake and also herd health and fertility.
- Is also suitable for silage production and top dressing cereals.

Application Guidelines:

Early Grass: 6-8 weeks before turnout 100kg/acre. **General Grazing:** After each grazing 75kg/acre. **Silage/Hay production:** 8 weeks before cutting 150-250kg/acre

Packaging: Available 50kg, 500kg & TopLift

Nutrient Composition

Nitrogen (N)	22.5%
Phosphorus (P)	2.5%
Potassium (K)	4.5%
Sulphur (S)	3%

Trace Elements

Content:		Benefits of Trace Element:
Magnesium (Mg)	1.2%	Reduces risk of grass tetany, nutrient availability and appetite is improved
Copper (Cu)	0.02%	Improves herd thrive and fertility
Manganese (Mn)	0.015%	Increases dry matter and plant yield and promotes grass root development
Zinc (Zn)	0.02%	Reduces mastitis occurrence, improves semen production. Stimulates hoof and hair production and reduces lameness, enhances plant tillering.

THE TILLAGE RANGE

GRANULAR

Achieve your yield potential with NitroFert

NitroFert supply a full range of quality granular fertilisers suitable for cereal and crop production. Some of our most popular blends for tillage customers include the following:

10-10-20

18-6-12

13-6-20 + S

14-7-14

12-8-20 + S

10-5-25 + S

8-5-18 + B + S

7-6-17 + SOP

Packaging: Available in 50kg, 500kg, TopLift and Bulk

*Please refer to our product listing for product composition.
We also provide customised blends according to customer requirements.*

CAN & SulCAN

Calcium Ammonium Nitrate (CAN) contains 27.5% nitrogen. It is half nitrate nitrogen which means it is fast acting, the other half is ammoniacal nitrogen which is slower acting. SulCAN is also available for those on sulphur deficient soils and is available as either a blend or CCF. NitroFert CAN and SulCAN are high quality granular products.

Packaging: Available in 50kg, 500kg, TopLift and Bulk.

24-2.2-4.5

An excellent quality granular fertiliser that is often a useful alternative to 27-2.5-5. The high density granules are free flowing and dust free allowing optimum spreading.

Packaging: Available in 50kg, 500kg, TopLift and Bulk.

18-6-12

A traditional granular fertiliser, this quality product is also available with 3% sulphur.

Packaging: Available in 50kg, 500kg, TopLift and Bulk.

Please refer to our full product listing for a comprehensive list of all the fertilisers that we do. NitroFert also provide specific customised blends according to customer requirements. Please contact us with any queries you may have about our products.

The NitroFert logo features a green leaf icon above the word 'Nitro' in white and 'Fert' in orange.

SUPERIOR FERTILISER. SUPERIOR GROWTH

Raheen Port,
New Ross,
Co. Wexford,
Ireland.

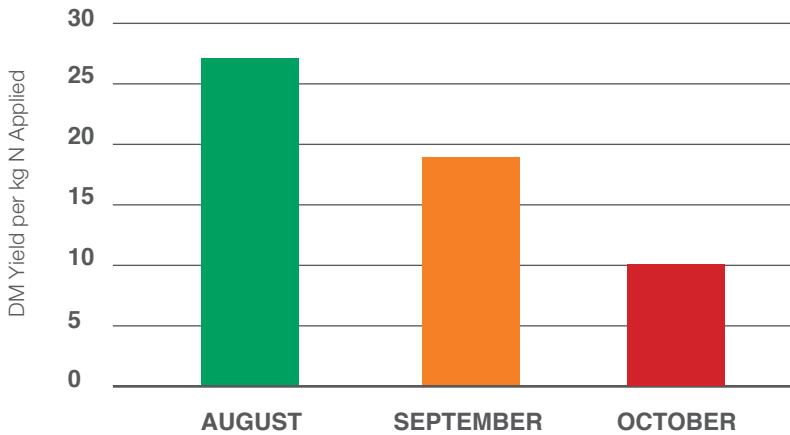
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NITROGEN IS A KEY DRIVER OF GRASS GROWTH THIS AUTUMN

Grassland farms now need to grow as much grass as possible over the coming months. The Department of Agriculture has recently extended the deadline for fertiliser and slurry spreading dates to the end of September and October respectively giving farmers a chance to maximise autumn grass growth for fodder production. This will extend the shoulders of the grazing season and may provide a potential to save extra silage. Nitrogen (N) is a key element in fuelling grass growth and grass is very responsive to it. Adequate N is essential for photosynthesis and provides the highest DM yield response in the plant. It also boosts energy and protein content of the sward.

Grass Dry Matter Yield Response to Fertiliser N



(30Kg N/ha applied at the start of each month. Wall, D. P. & S. Fox, I. 2018)

FACT: An extra 20kg/ha of grass growth per day over the next 70 days = 2 round bales of silage/acre.

Source: (Irish Farmers Journal, 18 Aug 2018)

To grow this extra grass, extra fertiliser must be applied with every effort to do so sooner rather than later. According to Teagasc research studies, the average Dry Matter Yield response to per kilo of N applied will decline as we move from August to September to October.

This means spreading 50kg/acre of nitrogen in August will grow the equivalent of 1.5 round bales of silage per acre. Recommendation (conditions permitting) is to blanket spread grass now with 30 units/acre of nitrogen and aim to repeat again in September.

DAIRYSELECT CAN

Calcium Ammonium Nitrate (CAN) that contains 27.5% Nitrogen.

Nutrient Composition

Total Nitrogen (N)	27%
Nitric Nitrogen	13.5%
Ammoniacal Nitrogen	13.5%

Packaging:

Available in 50kg, 500kg, Toplift & Bulk

DAIRYSELECT SulCAN

Research has found a mean grass yield response to Sulphur of almost 10% at responsive sites!

Nutrient Composition

Total Nitrogen (N)	26%
Nitric Nitrogen	11%
Ammoniacal Nitrogen	15%
Sulphur soluble in water (S)	5%

DairySelect SulCAN

It is estimated that over **30% of Irish soils are deficient in sulphur** which is an essential nutrient for grass growth & nitrogen efficiency. Land most prone to deficiencies are lighter to moderate textured soils and those that are regularly cut for silage. As there is very little sulphur available in slurry it is a key input for productive grassland. Sulphur has also been proven to help boost DM yield production, protein and grass sugar content.

Benefits of Sulphur (S)

- Boosts protein & energy content in grass.
- Increases sugar content and digestibility
- Improves plant growth & development
- Increases DM yields & nitrogen use efficiency

Application

As sulphur is fast acting it is best to apply it little and often. Grassland requires 15 – 30kg of sulphur per hectare per annum. For silage on sulphur deficient soils, apply 20kg per hectare per cut.

HOW DAIRYSELECT WORKS:

DairySelect is designed to meet the demands of modern Irish grassland farmers to grow grass fast by quickly dissolving INTO the soil and not sitting ON it.

DairySelect gets to more of the roots faster as there are more grains packed closer to the plant base and therefore the grass plant does not have to work as hard to access the fertiliser nutrients. Due to its hygroscopic properties DairySelect also dissolves faster into the ground and quickly provides the plant with the nutrients it needs. Other products give a slower response as they struggle to get to the plant base and as there are less of them the plant has to work hard to get the nutrients. Other products also take longer to break down particularly in dry conditions.

DAIRYSELECT



DairySelect gets to more of the roots quicker - thus ensuring all the plants get a feed.

OTHER PRODUCTS

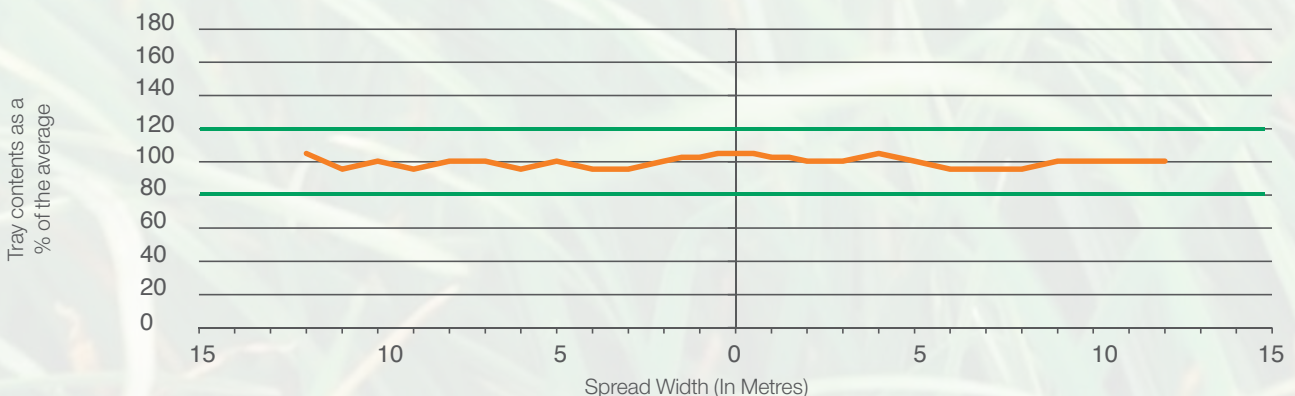


Other products - struggles to get into the ground & into all the roots. Takes longer to work.

Features & Benefits of DairySelect CAN & SulCAN :

- **EFFECTIVE** It provides a dense ground cover and has high solubility properties which gives it faster growth recovery and speeds up paddock turnaround. It also means the plant roots do not have to travel far to access the fertiliser so the response to nutrient benefits are much quicker.
- **EFFICIENT** DairySelect will have less nutrient losses in heavy rain or dry conditions.
- **EXCELLENT** Return On Investment – DairySelect are competitively priced products that deliver results.
- **EASY TO SPREAD** The grains of DairySelect are uniformly sized, round and dense which means it spreads easily to 24m width as verified by independent testers below. It is 100% pure with no fillers and is exceptionally dust free and free flowing as testified by our many happy customers over the years.

Analysis of DairySelect CAN Acceptable Spread Pattern over 24m in independent field trials.



Result: A good Test. Co efficient of Variation = 3.30%. Co efficient of Variation measures the accuracy of the spread pattern. A figure below 10% is acceptable, between 10% and 20% is not ideal, above 20% is unacceptable.