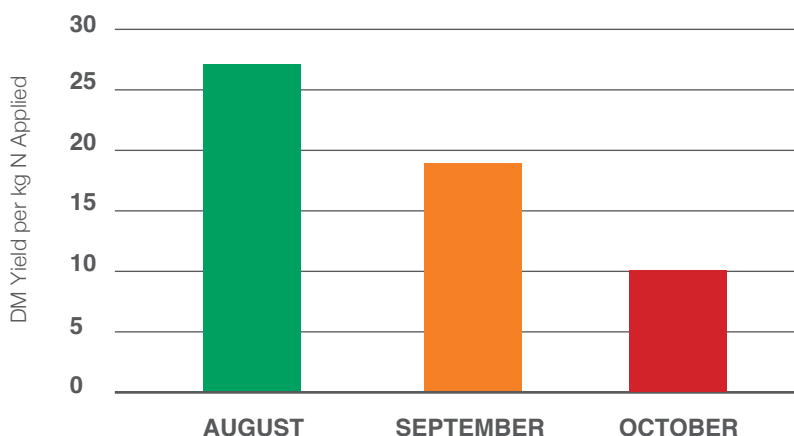


NITROGEN IS A KEY DRIVER OF GRASS GROWTH THIS AUTUMN

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

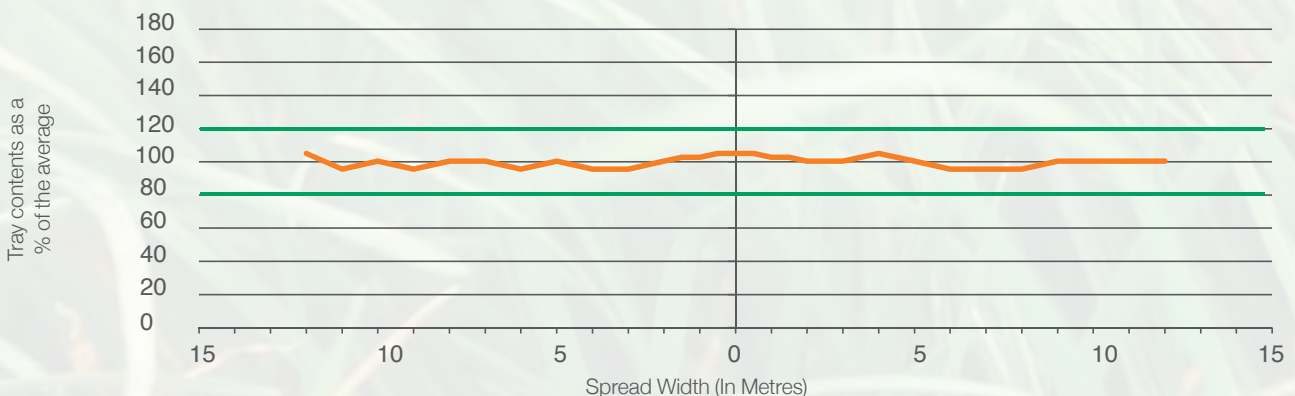


Other products - struggles to get into the ground & into all the roots. Takes longer to work.

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.