Quinns
EVERYTHING FOR THE FARMER

ATHY • AVOCA • BALTINGLASS • GEASHILL • LEWISTOWN • MILFORD • NAAS

TECHNICAL NEWSLETTER July 2025

Targeted Roundup use

Roundup use at harvest has changed considerably over the last few years. It is no longer permitted to use Roundup products pre-harvest as a desiccant which was very popular as a harvest management tool. Now the use of glyphosate products is only permitted in weed control situations. It is important to walk crops to identify these areas to target for the upcoming harvest. This will be particularly useful for areas with strong populations of grass weeds and broadleaf weeds. As most of the glyphosate products were re-registered with new labels, some rates have also changed which users need to be aware of.

Roundup use in oilseed rape as a dessicant is also not permitted, but is allowed in a weed control situation. If there are weeds present and control is needed, timing of the glyphosate is very important for Oilseed rape. Sample the crop and take 20 representative pods, if less than a third of the seeds are green in 15 or more of the pods it is at the correct stage. An application of Pod-Stik may also be beneficial at this stage to prevent shedding pre harvest. Pod-Stik should be applied at 1.0L/ha.

Scan the QR code to find out more about roundup

Roundup Flex Plus 500 15L	
Pre-harvest	0.75ltr – 3ltr per Ha for dirty crop
Stubbles	1.1ltr – 2.9ltr per Ha
Burning off grass	2.88ltr per Ha
Oilseed Rape	2.25ltr – 3ltr per Ha

Roundup Powermax 720 10kg (1kg = 2ltr 360)	
Pre-harvest	0.5kg – 1.5kg per Ha for dirty crop
Stubbles	0.7kg – 2kg per Ha for scutch
Burning off grass	2kg per Ha for old lays
Oilseed Rape	2kg per Ha

Mizr 360 20Ltr	
Pre-harvest	1ltr – 1.5ltr per Ha
Stubbles	1.5ltr – 4ltr per Ha for scutch
Burning off grass	4ltr per Ha
Oilseed Rape	3ltr – 4ltr per Ha for dirty crops

Quinns Top Tip

Glyphosate and Podstik (designed to prevent pods from splitting) should be applied 3 weeks before harvest

Be Safe this harvest

Quinns mill, agri-stores and grain intake locations are busy places during the harvest months.

Please follow the traffic plan in each yard and wait for instruction if unsure. Health and Safety procedures are here to protect both employees and visitors. High-Vis vests must be worn by drivers/visitors when unloading grain or when exiting vehicles in our mill or grain intake yards.

Be Safe Be Seen.

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Propcorn NC

Made non-corrosive by a special gaseous ammoniation buffering process, Propcorn NC can be applied to all cereal grains up to 30% moisture when treated whole, 28% when rolled and pulses up to 24% moisture to safeguard against the formation of yeasts, moulds and mycotoxins during aerobic storage for up to 12 months.

Treated grain should be stored in a dry grain store, bin or bunker. Contact with concrete walls should be avoided, as the build-up of condensation at the point of contact can cause an adverse reaction between the alkaline concrete and the acid treated grain. Paint concrete walls with a suitable barrier paint, or line them with good quality plastic sheeting. Newly laid concrete floors should also be sealed.

In independent worldwide tests, livestock fed on Propcorn-treated feeds have shown that it improves milk yields by up to 4% & increases live-weight gain in beef cattle by up to 4%.

Benefits of Propcorn NC

- Safe, non-corrosive grain preservative
- For whole and processed grains and pulses
- Increases energy levels in feeds
- Better feed value with fewer digestive problems
- Less dust for improved palatability and reduced respiratory problems and a better working environment
- Less fumes than straight propionic acids
- Keeps grain cool, so discouraging mites and weevil
- More cost-effective than conventional drying
- Ability to harvest earlier meaning less dependent on the weather and reduces shedding losses
- Increases energy levels in feeds (Propcorn NC has an energy value of around 1.5 times that of barley)
- Reduces bought-in feed costs
- Easy to store on the farm

Application Rates for **rolled** grain cereal:

Moisture Content %	Preservation Time (months	Preservation Time (months)	Preservation Time (months)	Preservation Time (months)
	1	**1-3**	**3-6**	**6-12**
Up to 16	4.40	5.50	6.10	7.80
16 - 18	5.00	6.40	7.10	9.30
18 - 20	5.90	8.30	9.30	10.80
20 - 22	6.70	9.80	10.90	12.00
22 - 24	8.20	11.30	12.40	13.50
24 - 26	10.00	12.80	13.90	15.00
26 - 28	11.50	13.70	15.40	16.50
28 - 30	11.50	13.70	15.40	16.50

Application rates for **whole** grain cereals:

Moisture Content %	Preservation Time (months	Preservation Time (months)	Preservation Time (months)	Preservation Time (months)
	1	**1-3**	**3-6**	**6-12**
Up to 16	4.00	4.50	5.10	6.80
16 - 18	4.50	5.10	5.80	8.00
18 - 20	5.20	7.00	8.00	9.50
20 - 22	6.00	8.50	9.50	10.50
22 - 24	7.50	10.00	11.00	12.00
24 - 26	9.00	11.50	12.50	13.50
26 - 28	10.50	12.20	13.90	15.00
28 - 30	12.50	15.00	16.00	17.00

Quinns are proud stockists of Propcorn-NC and we have a great supply of 1000kg & 200kg IBCs & barrels in stock in our branches. Call your nearest store or local rep to discuss our range of grain preservation options for the upcoming harvest.

Scan the QR code to find out more about Propcorn

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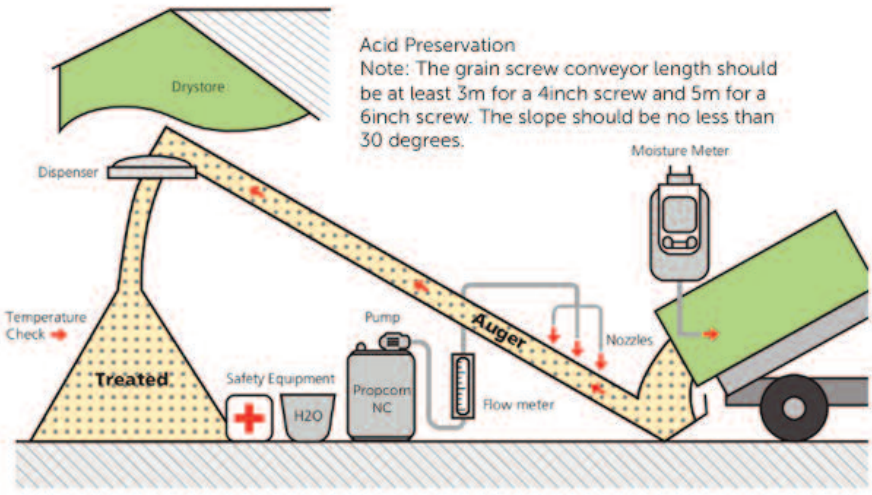
Propcorn NC - The complete solution for grain preservation and longer term storage



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XL GRAIN
GRAIN ACCELERATOR

Feed higher levels of Irish cereals with XL Grain

Irish grown cereals including barley & wheat are excellent sources of energy for either fattening cattle or maximising milk production, however feeding high levels of cereals increases the risk of acidosis in livestock. The feeding of high levels of cereals in a diet must be managed carefully; feeding rates, mineral and buffer supplementation and the inclusion of a suitable source of fibre being very important. However, there is a solution that can help to increase feeding levels of Irish grown cereals safely

Ivan Gethings farms with his two sons Chris and Jason and the Gethings family fatten cattle year round on their beef and tillage farm outside Tullamore Co. Offaly. The Gethings family have been keeping and feeding their own grain for a number of years and have tried different treatment options during that time. Last harvest Ivan treated all of his cereals with XL Grain. XL Grain produced by Vitalac in France and distributed exclusively in Ireland by Quinn's. XL Grain is an alkaline grain treatment product which can add value to your home grown cereals.

On advice from Arnie McDonald the local Quinns Technical Sales Advisor Ivan decided to use XL grain on his own cereals last harvest as it increased the pH and protein of the grain allowing for higher feeding levels of his own barley and wheat. Overall he was very happy with the treatment process and feeding his cereals treated with XL Grain.

"We found the application process very straightforward as the rate is one bag (20kg) per tonne of grain. We treated and rolled the grain with our own roller straight after harvest and covered it over for three or four weeks. The XL Grain treatment meant the barley was now just under 15% protein and very safe to feed to cattle.

The barley and wheat stored very well; better than other treatments we used in the past. We fed it to finishing heifers, bullocks and bulls up to 6kg/head/day and found it very safe.

We were happy with the liveweight gains and fat scores of cattle fed on it and will be using it again this year."

Ivan (centre), Chris and Jason Gethings on their farm near Tullamore, Co. Offaly

XL GRAIN will not only treat the grain, but also increases both the protein and the pH of the grain to allow higher feeding levels of home grown cereals; with reduced risk of acidosis occurring.

XL Grain can be used to treat Barley, Wheat, Oats and Grain Maize. It can be used on whole or rolled grain; however the grain must be rolled to allow for safe feeding.

Whole or rolled cereals treated at optimum moistures of 16-20% must be stored under polythene cover for a period of 3 weeks to allow for the treatment process to take place.

Once this process is complete the cover can be removed and the grain can be either fed (once rolled) or moved to another shed.
XL Grain offers significant flexibility as whole grain can be treated at harvest using a diet feeder and the grain can be rolled as needed during the season or a contractor could roll and treat the grain at harvest time.

Treating the Grain

Whether treating whole or rolled grain, the application rate of XL grain is 1 bag (20 Kg) per tonne of cereals. This is a much simpler process when compared to similar products on the market. Once whole or rolled grain is treated it will keep for up to 12 months.

The application of 1 bag of XL Grain per tonne of cereals will increase the pH of the grain to a minimum pH of 8.5- resulting in significant reduction in the risk of acidosis.

The application will also increase protein content of the grain by up to 5 percentage points- i.e. bringing barley from 10% to 15% protein content. This is beneficial because it reduces the need for bought in proteins and also means there is less need for storage of these proteins on farm.

The combined effect of a higher protein, higher pH cereal achieved with XL Grain treatment is that you can feed higher levels of a high starch, high quality Irish grown feed without the same risk of acidosis.

This has significant effects for both finishing and milking diets. In relation to finishing diets the effect is that you can increase the levels of starch in the diet at a faster rate which can result in reduced days to finishing. **Cereals treated with XL Grain can be safely fed up to ad lib levels in beef finishing diets**.

In relation to milk production; sub clinical acidosis (SARA) is a real issue for high output dairy herds with levels of cereals in the diet. Acidosis has many negative effects including reduced milk output and reduced solid production; which ultimately reduces profit. The inclusion of XL Grain treated cereals has a significant positive effect on both.

Full Service:

Quinns of Baltinglass Ltd. will be offering a full service to their customers in relation to the use of XL Grain this harvest; this service will include:

1. Grain Rolling- Quinns will have contractors available across the Leinster area to roll your grain at or after harvest.
2. Grain Testing- Quinns can do both a pre and post-treatment analysis on your grain for protein, pH and starch.
3. Nutrition Advice- Our Ruminant Nutritionist can provide full advice and diet formulation to maximise production.

For further information on using XL Grain on your farm please contact Quinns of Baltinglass Ltd. on 059-6481266 or click here (Technical Sales Advisor contact details)

Scan the QR code to find out more about XL Grain

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Focus on Finishing Beef Cattle from Grass

As the summer progresses into early autumn grass quality will decline therefore farmers aiming to slaughter cattle in the back end should consider introducing concentrates at grass. It is still crucially important however to maintain grass quality for as long as possible. Be it topping and good clean outs. Animals will generally eat concentrates when it's available but it's important to offer it at the correct stage as its not economical for animals to substitute concentrate for grass.

When grass supply and quality is good then no supplementation is required however at the moment there is a strong demand for beef by factories and beef prices continue to be good and cattle need to achieve a higher carcass grade feeding 2 – 5 kgs per head per day will speed up the finishing period and increase fat cover on the animals.

Typical Seasonal Grass Analysis

Analysis	Spring	Autumn
Dry Matter, %	16 – 20	14 – 15
Crude Protein, %	20 – 30	21 – 23
Digestibility, %	78 – 84	75 – 79
Energy, UFV/Kg	1.03	0.95

(Source: Teagasc)

Key factors that increase success off finishing cattle at grass:

- Aim for high digestible grass to maximise daily liveweight gain
- Ideal pre-grazing covers are between 1,200 – 1,600 kg DM/ha (pre grazing sward height of 8 – 10 cms)
- Ensure all animals are dosed correctly for worms and flukes to maximise thrive at grass
- Greatest response – target meal feeding for a period not less than 6 weeks and not more than 8 weeks prior to slaughter.
- Select forward cattle that are within 4 – 8 weeks of finishing (need to gain 25 – 50Kgs more weight to finish)

Quinns Supreme Maize Beef is 12% Crude protein and is 0.97UFV, it includes RumiGain minerals to maximise thrive and feed conversion.

This product comes in coarse ration and pelleted form

How much concentrate should you feed at Grass?

Typical supplementation guidelines as per Teagasc research, indicates a positive response to feeding 0.5kg meal per 100kg live weight (3.0kg/day to a 600kg steer) with good autumn grass or up to 1.0 kg meal per 100 kg live weight where grass is scarce or of moderate to low quality.

What type of Concentrate compliments finishing beef on grass?

Feed a high energy maize/cereal based concentrate with hulls or beet pulp included to complement the protein in grass.

For further information on finishing cattle on grass please contact your local Quinns Rep

Scan the QR code for our Beef Brochure

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