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Step by step

- 1 Start pump at highest rate - check spray position.
- 2 Start auger (minimum 6ft)
- 3 Open trailer gate and adjust to auger capacity.
- 4 Catch 10 seconds worth and weigh, e.g. 22kg/10 seconds = 8 tonnes per hour.
- 5 Read moisture at trailer *outlet.
- 6 Adjust Propcorn rate for moisture and auger rate.
- 7 Check moisture and auger rate regularly.

* Notes: It is essential that the moisture content is measured correctly straight from the combine, the sample used should be representative of the whole load.

Application rates

The application rate depends on the moisture content of the material, and the physical form.

Propcorn application rates per tonne of grain

Cereal moisture content % (MC)	Gals	Litres
16	1.2	5.5
18	1.5	6.5
20	1.7	7.5
22	1.9	8.5
24	2.1	9.5
28	2.6	11.5
32	3.2	14.5
40	4.6	20.5

For long term storage of grain rolled and treated off the combine, increase application rate by 10%.

For pulses increase application rate by 10%, when moisture content is less than 25% it will be necessary to crack pulse seeds prior to treatment.

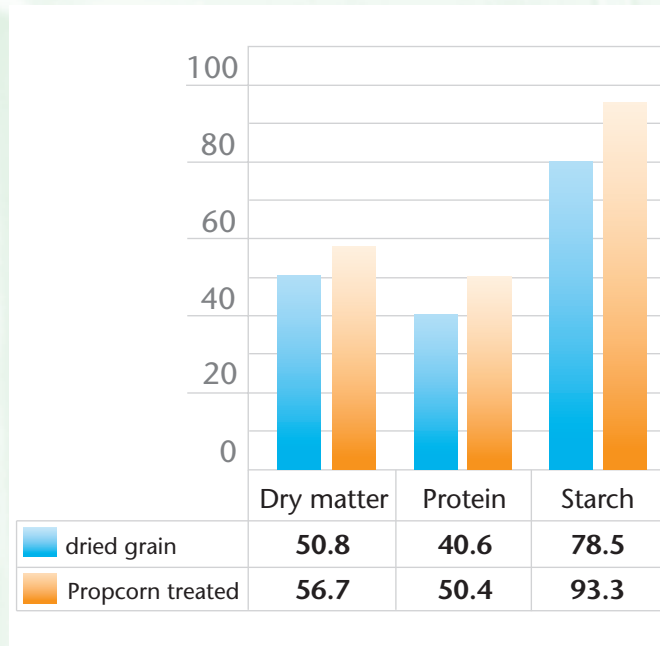
the grain
 preservation
 solution from
**Trouw
 Nutrition**

Propcorn





Digestibility (%) in steers fed rations based on hay and rolled barley-moist (Propcorn treated) or dried



The benefits of Propcorn

Trouw Nutrition's Propcorn provides a simple and cost effective method of storing grain.

Suitable for most grains including wheat, barley, oats, maize, & pulses such as peas, beans or lupins, the benefits are numerous:

- Higher return per acre
- Better feed value with fewer digestive problems
- Less dust - healthier for farmer and stock
- Reduced shedding losses.
- Keeps grain cool - discourages mites & weevil

It has been shown at independent research centres that Propcorn treatment has achieved the following results:

- Improved milk yields by 4%
- Increased live weight gain in beef cattle by 4%
- Developed feed efficiency in pigs by up to 6%.

Propcorn also increases energy levels as it has an energy value itself of around 1.5 times that of barley.

A natural solution

Propcorn is an organic acid, which occurs naturally in the rumen. The acid inhibits the growth of moulds, yeasts and bacteria and prevents the 'heating up' of moist feeds.

Propcorn treated grain has been successfully fed to cattle, sheep, goats, pigs, poultry and horses throughout the world for over 30 years.



Flexible and versatile

Harvesting can take place even when there is surface dampness on the grain - whether dew or rain - enabling farmers to start combining earlier in the morning, or after rain, and to continue later at night.

Propcorn grain can be treated and rolled straight off the combine and then stored until required rather than the traditional treat, store then roll method.

Propcorn also aids processing. Treated grain rolls much easier than dried grain and fewer costs are incurred when Propcorn is used i.e. no drying cost and a lower storage cost. Shatter losses are also reduced.

The alternative treatment, drying, often results in a harder, drier and dustier material that is less suitable for feeding directly to animals in a coarse mix. Less dust with Propcorn treatment also means healthier conditions for the user

Propcorn treatment also inhibits the germination of seeds which can pass through the animal intact and is subsequently returned to the land.

Storage

- Propcorn treated grain can be stored on a dry floor
- Do not store with untreated grain as it can draw in the moisture and begin to heat up

Please also note that natural Vitamin E in moist grain - Propcorn treated or not - declines during storage. When Propcorn treated grain forms a major part of the diet, use Maxcare Propcorn Balance - which is high in Vitamin E.