

# GRAIN & FOOD

LIMITED

Silo Feeds



# Spring Blend

## 40% KMG / 60% PKE

Spring Blend is a structured seasonal mix of Kibbled Maize Grain (KMG) and Palm Kernel Expeller (PKE), formulated to support rumen stability during high-protein pasture flush.

Suitable for in shed feed systems, TMR mix ration feed pads systems, and in paddock bins. This blend moderates starch exposure while maintaining adequate energy supply during peak lactation.

It is blended locally and designed to align with seasonal pasture fermentation dynamics.

Energy (ME): 12.0 MJ/kg	Crude Protein: 15%
Dry Matter: 90%	Starch: 28%
NDF(Fibre):50%	Crude Fat: 7%

(Values are typical and may vary slightly due to natural variation in feed ingredients.)



# Summer Blend

60% KMG / 40% PKE

Summer Blend is a higher energy mix of kibbled maize grain and palm kernel expeller designed to maintain milk production as pasture metabolisable energy declines.

Formulated to increase dietary starch safely while maintaining structural fibre for rumen support. Ideal for in shed feed systems, TMR mix ration feed pads systems, and in paddock bins during heat stress and lower pasture energy periods.

Energy (ME): 13.0 MJ/kg	Crude Protein: 16%
Dry Matter: 90%	Starch: 28%
NDF(Fibre):55%	Crude Fat: 6%

(Values are typical and may vary slightly due to natural variation in feed ingredients.)



# Autumn Blend

50% KMG / 50% PKE

Autumn Blend provides a balanced starch-to-fibre ratio designed to support consistent milk solids during variable pasture quality.

This blend maintains stable fermentation characteristics while delivering moderate energy density.

Ideal for in shed feed systems, TMR mix ration feed pads systems, and in paddock bins, during late lactation.

Energy (ME): 12.6 MJ/kg	Crude Protein: 15.5%
Dry Matter: 90%	Starch: 36%
NDF(Fibre):52%	Crude Fat: 6.5%

(Values are typical and may vary slightly due to natural variation in feed ingredients.)



# Winter Blend

## 45% KMG / 55% PKE

Winter Blend is formulated to provide controlled energy during lower production phases and condition management periods.

With a moderated starch inclusion, it supports safe rumen function while preventing excessive condition gain. Ideal for in shed feed systems, TMR mix ration feed pads systems, and in paddock bins, during winter and late lactation.

Energy (ME): 12.5 MJ/kg	Crude Protein: 16%
Dry Matter: 90%	Starch: 32%
NDF(Fibre):55%	Crude Fat: 7%

(Values are typical and may vary slightly due to natural variation in feed ingredients.)



# Why A Seasonal Mix?

## The Biggest Driver of Energy Balance Is the Season.

In pasture-based dairy systems, pasture composition changes predictably throughout the year:

- Spring – high protein, highly fermentable pasture
- Summer – lower metabolisable energy
- Autumn – variable quality
- Winter – controlled feeding phase

These seasonal shifts influence rumen fermentation more than minor differences between herds.

Because of this, the optimal starch-to-fibre ratio also changes through the year.

## Why Not One Fixed Mix All Year?

A fixed maize-to-PKE ratio ignores:

- Pasture dry matter changes
- Fermentation rate shifts
- Seasonal milk demand
- Intake variation in feed pad and paddock systems

Seasonal blends allow controlled adjustment of energy density while maintaining rumen stability.

## Custom Mix vs Seasonal Structure

Custom formulation has its place where there is clear evidence of:

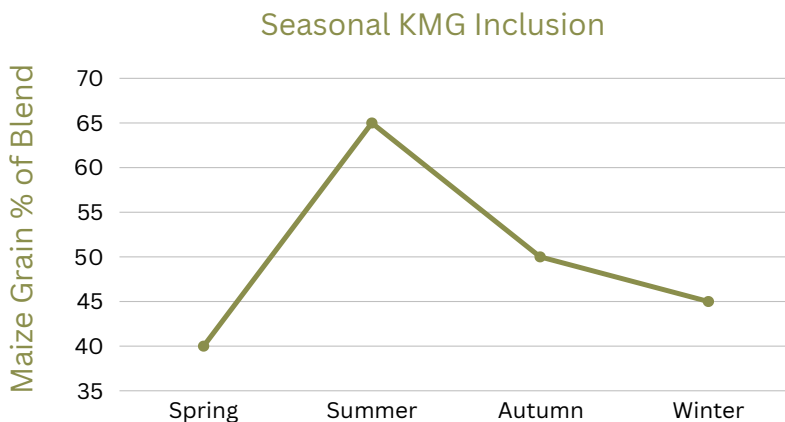
- Specific forage imbalance
- Ongoing metabolic issues
- Measured production inefficiencies

However, in most pasture-based systems, the dominant variable is seasonal pasture change – not herd genetics.

A structured seasonal approach addresses the primary energy challenge without unnecessary complexity.



Kibbled maize grain provides high starch and rapid rumen fermentation, driving glucose production and milk yield, Palm kernel expeller provides fibre and moderates fermentation speed. Balancing these two changes the rumen fermentation curve and energy availability.



## Supplementary Additions

We can include molasses and/or minerals where required to support feed performance in pasture-based dairy systems.

Molasses is commonly used to improve palatability and reduce sorting in feed pad and paddock feeding systems. It also provides a rapidly fermentable energy source that complements fibre-based feeds such as palm kernel, supporting more consistent rumen function when included at appropriate levels.

Minerals may be added to help balance known deficiencies in pasture-based diets, particularly during periods of high demand such as early lactation. This can support animal health, milk production, and overall herd performance. These additions are used to enhance consistency and nutritional balance without changing the core seasonal structure of the blend.



# Local Delivery That Works For You

Because we are locally based, delivery is built around the realities of day-to-day farming rather than a fixed system that you have to work around. We understand that feeding doesn't stop for weather, breakdowns, or changing conditions, and supply needs to keep up.

Our focus is on making delivery straightforward and dependable. Orders are handled directly, timing is flexible where it needs to be, and communication is simple. You're dealing with people who know the area, understand the season, and appreciate how important consistency is when it comes to feeding. Being close by also means we can respond quicker when things change.

Whether it's adjusting volumes, timing deliveries around workload, or ensuring product is on hand when pasture conditions shift, the goal is to keep things running smoothly without unnecessary delays.



# Our Other Services

**Got a Job? We've got the Gear.**

- Bulk Maize Silage
- Bulk Grass Silage
- Loader Wagon Silage
- Baled Hay & Grass
- Maize Silage Bales
- Square Bale & Wrap
- Round Bale & Wrap
- Silo Feeds
- Spraying
- Ploughing
- Ripping
- Discing
- Power Harrowing
- Ag Bagging
- Strip-till planting
- Maize Planting
- Side Dressing
- Drilling
- Roller Drilling
- Muck Spreading
- Effluent Spreading
- Digger Hire
- Long Reach Digger Hire
- Bulldozer Hire
- Grader Hire
- Roller Hire
- Transport & Cartage
- & More



# Earthworks & Cartage

**If it needs moving, shaping or shifting, we're on it.**

We provide a wide range of earthworks and cartage services to support on-farm development and general site work. From drainage and track work through to site preparation, clean-ups and bulk cartage, we've got the gear and experience to handle it.

Our fleet includes a 30t long reach for hard-to-access work, along with graders and rollers to get jobs finished to a high standard. Our experienced operators fast and efficiently get the job done right the first time.



# Grain & Food Ltd

## Our History

Grain & Food Ltd is owned and operated by Darren and Jonathan Miers. The brothers are twins and have worked together for their entire working lives. The Miers family moved to the Hamilton area in the early 1900's originally from Germany. The Miers family settled in the Fielding area. Great grandfather William Miers settled in the Hillcrest area of Hamilton and they were jersey breeders. They owned a farm there, which is now partly Jansen park. The family then purchased a farm in the 1920's in the Rototuna area and developed this land into pasture which is now in houses and known as Flagstaff. Our grandfather Ernie Miers and his wife Glad Miers along with their three sons and daughter purchased peat land at Gordonton in the early 60's. They continued to drain this peat swamp and develop the land into pasture. Darren and Jonathan set up the contracting business to support their own dairy operation and now concentrate solely on agricultural contracting. The Grain & Food Business now prides itself on having local customers and offering top quality services and products.



# We, and your cows, want you to get in touch!

Text or call the Grain & Food Team at :

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Wayne      **027 575 5500**

Rory      **027 824 3565**

For more information email us at:

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