

# SUSTAIN GAINS IN EVERY SEASON



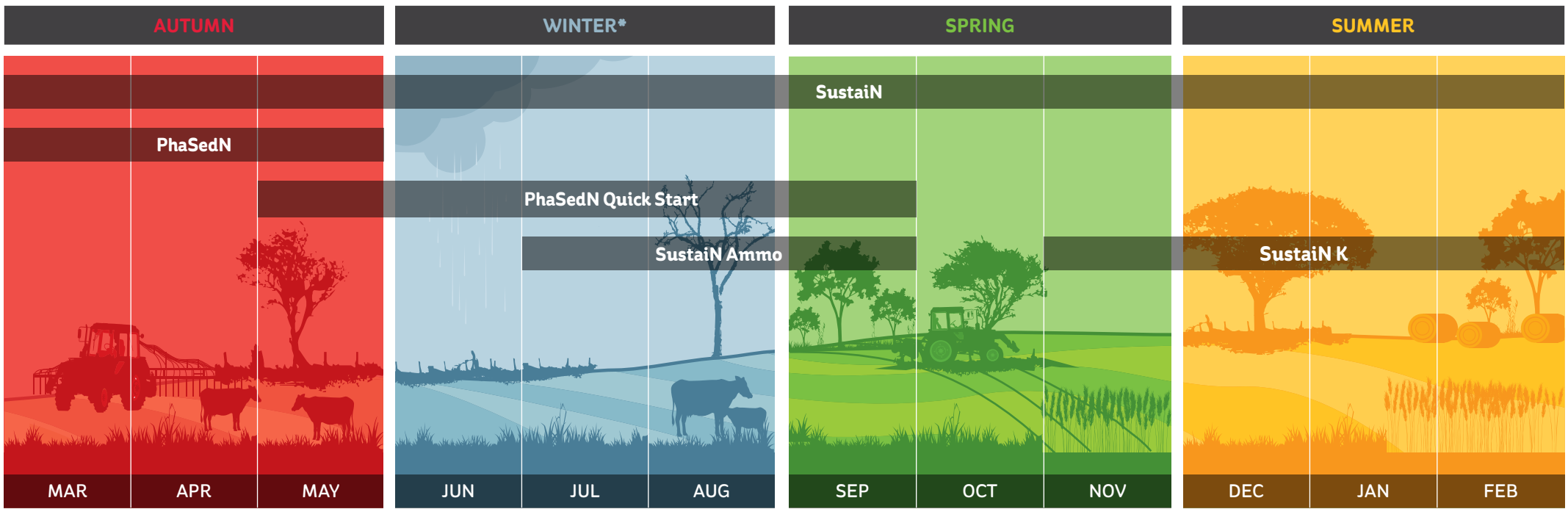
agri-nutrients  
**Ballance**



**Sustain**<sup>®</sup>  
Powered by AGROTAIN<sup>®</sup>

# SustaiN gains to be made in every season!

- SustaiN is a unique nitrogen fertiliser only available to Ballance Agri-Nutrients. It contains AGROTAIN® nitrogen stabiliser - a world proven coating technology which acts to reduce nitrogen losses from ammonia volatilisation (ammonia gas loss to the atmosphere), enabling more nitrogen to be available for plant uptake and production.
- SustaiN can be applied year round and is the preference to urea unless 5-10mm of rain can be guaranteed within 8 hours of application - or choose from the family of SustaiN products (enclosed) to meet your specific soil type or season requirements.
- The gains when using SustaiN are significant. Independent trials show that ammonia loss from urea is typically around 10-20% of the nitrogen applied. SustaiN reduces this loss by 50%, providing more nitrogen to boost pasture growth.



\*Do not apply N if soil temperature is below 6°



SustaiN reduces nitrogen losses by 50% on average, meaning more stays in the soil and you don't need to wait for ideal rainfall conditions (5-10mm within 8 hours).



PhaSedN is a unique formulation containing SustaiN, fine elemental sulphur and lime in one granule. Use in autumn to promote pasture growth either side of winter.



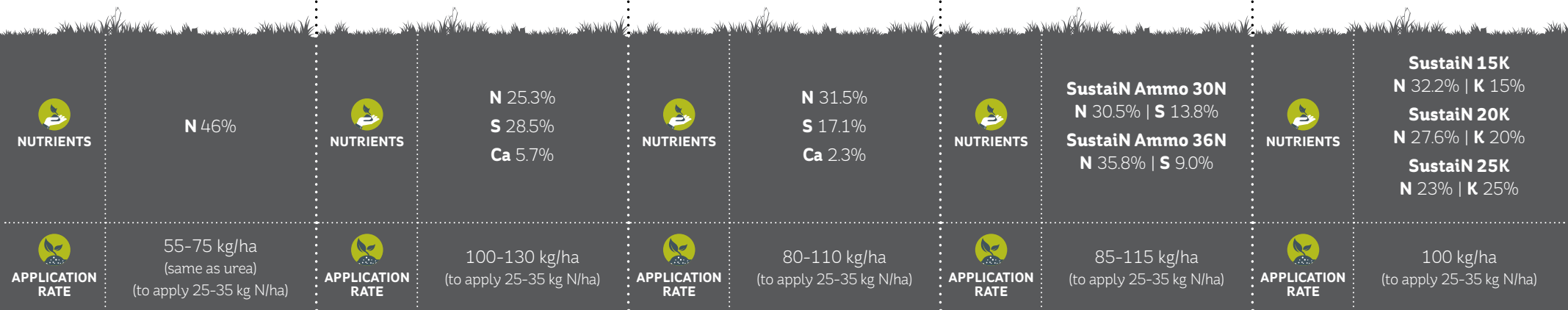
A unique formulation containing two forms each of nitrogen (including SustaiN) and sulphur. Apply between May and September to cover nitrogen and sulphur pasture needs for winter and early spring.



SustaiN Ammo is a blend of SustaiN and sulphate of ammonia (SOA). Ideal for use late winter or early spring on pasture or crops that might be limited by a sulphur deficiency.



SustaiN K is a blend of SustaiN and muriate of potash. Use late spring and summer to promote clover growth, extend production or to promote paddock recovery post hay/silage harvest.





**Sustain is a specially formulated nitrogen fertiliser containing AGROTAIN® - a nitrogen stabiliser that reduces nitrogen losses from ammonia volatilisation. This technology enables more nitrogen to be available for plant uptake.**



#### **NUTRIENTS**

**N 46%**



#### **APPLICATION RATE**

55-75 kg/ha (same as urea)  
(to apply 25-35 kg N/ha)

#### **WHEN TO USE**



**Autumn**



**Winter**



**Spring**



**Summer**

**YEAR ROUND**

Jan to Dec

Use year round instead of urea to keep nitrogen in the soil.

#### **WHAT IS THE KEY ADVANTAGE?**

**Compared to urea:**

- Sustain has 50% less nitrogen losses due to ammonia volatilisation
- More nitrogen available
- Apply to multiply growth, regardless of weather

#### **WHERE IS IT BEST USED?**

- Use in preference to urea unless 5-10mm of rain can be guaranteed within 8 hours of application
- Good for post-emergence crop application at high rates of nitrogen



**Sustain Ammo is a blend of Sustain\* and sulphate of ammonia.**



#### **NUTRIENTS**

**Sustain Ammo 30N**  
N 30.5% | S 13.8%

**Sustain Ammo 36N**  
N 35.8% | S 9.0%



#### **APPLICATION RATE**

85-115 kg/ha.  
(to apply 25-35 kg N/ha)

#### **WHEN TO USE**



Autumn



Winter



Spring



Summer

**WINTER / SPRING**  
Jul to Sept

Use late winter and early spring to deliver nitrogen and immediately available sulphur for early spring pastures.

#### **WHAT IS THE KEY ADVANTAGE?**

- A single application of Sustain and immediately available sulphur
- More nitrogen available
- Mitigates against late winter nitrogen and sulphur deficiencies
- Ensures sulphur doesn't limit nitrogen response

#### **WHERE IS IT BEST USED?**

- Ideal when there is a spring sulphur deficiency and nitrogen is also required
- Use when herbage sulphur levels are below 0.3%

\*Sustain is a specially formulated nitrogen fertiliser that enables more nitrogen to be available for plant uptake and production.



Sustain K is a blend of Sustain\* and muriate of potash.



#### NUTRIENTS

**Sustain 15K N** 32.2% | **K** 15%

**Sustain 20K N** 27.6% | **K** 20%

**Sustain 25K N** 23% | **K** 25%



#### APPLICATION RATE

100 kg/ha.  
(to apply 25-35 kg N/ha)

#### WHEN TO USE



Autumn



Winter



Spring



Summer

#### SPRING / SUMMER

Nov to Feb

Use late spring and summer to promote clover health and extend production.

#### WHAT IS THE KEY ADVANTAGE?

- A single application of Sustain and potassium
- More nitrogen available
- Increased soil potassium availability to support clover growth over summer

#### WHERE IS IT BEST USED?

- Ideal for hay and silage paddocks to promote recovery after harvest
- Good for dairy farms with high potassium requirements that require multiple applications

\*Sustain is a specially formulated nitrogen fertiliser that enables more nitrogen to be available for plant uptake and production.



**PhaSedN is a unique formulation containing SustaiN\*, fine elemental sulphur and lime in one granule.**



#### **NUTRIENTS**

**N** 25.3% | **S** 28.5% | **Ca** 5.7%



#### **APPLICATION RATE**

100-130 kg/ha.  
(to apply 25-35 kg N/ha)

#### **WHEN TO USE**



**Autumn**



Winter



Spring



Summer

**AUTUMN**

March to May

Best used in autumn. The fine elemental sulphur then remains stable in the soil over winter to support early spring growth.

#### **WHAT IS THE KEY ADVANTAGE?**

- A single application of two key nutrients in one granule
- Fine elemental sulphur that does not leach
- More nitrogen available

#### **WHERE IS IT BEST USED?**

- Use in regions with high annual rainfall or heavy rainfall events
- Use where there is a high risk of sulphur loss such as on sandy, peat and pumice soils
- Good for effluent blocks where sulphur is typically lacking
- Useful on hill country where organic sulphur levels are low (<8) and where soils have a low-medium anion storage capacity (ASC <60)

\*SustaiN is a specially formulated nitrogen fertiliser that enables more nitrogen to be available for plant uptake and production.

# PhaSedN<sup>®</sup> Quick Start

A unique formulation containing two forms each of nitrogen (including SustaiN<sup>\*</sup>) and sulphur.



## NUTRIENTS

N 31.5% | S 17.1% | Ca 2.3%



## APPLICATION RATE

80-110 kg/ha.  
(to apply 25-35 kg N/ha)

## WHEN TO USE



Autumn



Winter



Spring



Summer

**AUTUMN TO SPRING**  
May to Sept

Best used slightly later than PhaSedN, from winter through to early spring to deliver nitrogen, immediately available sulphur and slow release sulphur for spring pasture growth.

## WHAT IS THE KEY ADVANTAGE?

- A single application of nitrogen and two forms of sulphur
- Readily available sulphur to address immediate sulphur deficiencies
- Fine elemental sulphur that does not leach
- More nitrogen available
- Ensures sulphur doesn't limit nitrogen response

## WHERE IS IT BEST USED?

- Covers all nitrogen and sulphur needs for winter and early spring
- Use in regions with high annual rainfall or heavy rainfall events
- Use where there is a high risk of sulphur loss such as on sandy, peat and pumice soils
- Good for effluent blocks where sulphur is typically lacking

\*SustaiN is a specially formulated nitrogen fertiliser that enables more nitrogen to be available for plant uptake and production.



For more information call your  
Ballance Nutrient Specialist, checkout  
[www.sustaingain.co.nz](http://www.sustaingain.co.nz) or phone **0800 222 090**

