

Gronamic®

High quality **organo-mineral**
fertilizers **designed** for
all types of turf



ICL

Consistent **balanced nutrition**

Gronamic is a new range of organo-mineral fertilizers from ICL. Each granule combines mineral and organic nutrient sources.

The granulation process produces consistent, uniform and dust-free products. This range allows you to incorporate all the benefits of organic sources of nutrition into your fertilizer programme without compromising on quality or reliability.



5

POINTS

Turf
REWARDS

Earn 5 points when you purchase 25 x 25kg of Gronamic.

Benefit from better turf.
turfrewards.com

In the range

Gronamic Golf

High N 16-3-6 +2MgO +2CaO +0.5Fe

Gronamic Golf

High K 5-0-22 +2MgO +1.5CaO +0.5Fe

Gronamic Sport

High N 16-3-6 +2MgO +2CaO +0.5Fe

Gronamic Allround

10-4-5 +2MgO +0.5Fe

Key points

- ✓ Range of nitrogen sources provide phased N release, allowing even growth
- ✓ Consistent granulation to ensure reliable performance
- ✓ Great longevity
- ✓ Organic and mineral nutrient sources
- ✓ Low C:N ratio to ensure optimal nutrient availability (as C:N ratio increases plant nutrient availability in short term reduces)



Gronamic, part of Turf Rewards

Sign up to Turf Rewards and collect points to put towards rewards when you purchase ICL and Syngenta products.

Use the best technologies on your turf and get the best rewards for your club.

It's simple, it's rewarding, and it's all at no extra cost.

1

Sign up

Register your business with fast, simple sign-up via the Turf Rewards website.

2

Collect points

Purchase qualifying ICL and Syngenta products and log your points on your account.

3

Claim

Get access to a great range of rewards for your business.

Benefit from better turf.
turfrewards.com

Turf

REWARDS

90
POINTS



45
POINTS



50
POINTS

FR JONES
AND SON



50
POINTS



25
POINTS



35
POINTS

TURFGRASS
MANAGEMENT



10
POINTS

35
POINTS

Education
Voucher



£250

25
POINTS

sports
metals

home of the extracut-brush



Gronamic®



Phased **nitrogen** release

Gronamic products contain multiple selected sources of nitrogen nutrition for phased nutrient release.

N sources

Ammonium > Urea > Complexed organic N

As the Gronamic granule disperses into the turf, the growing turf plant will be supplied N initially from ammonium, then from urea and finally from the mineralised organic nitrogen.

Sustained nitrogen uptake from a single product

Polyhalite inside



Each fertilizer* combines the proven mineral fertilizer polyhalite (supplying Ca, Mg, K, S) plus organic nutrients from plant and/or animal sources.

Carbon to nitrogen ratio – plant available

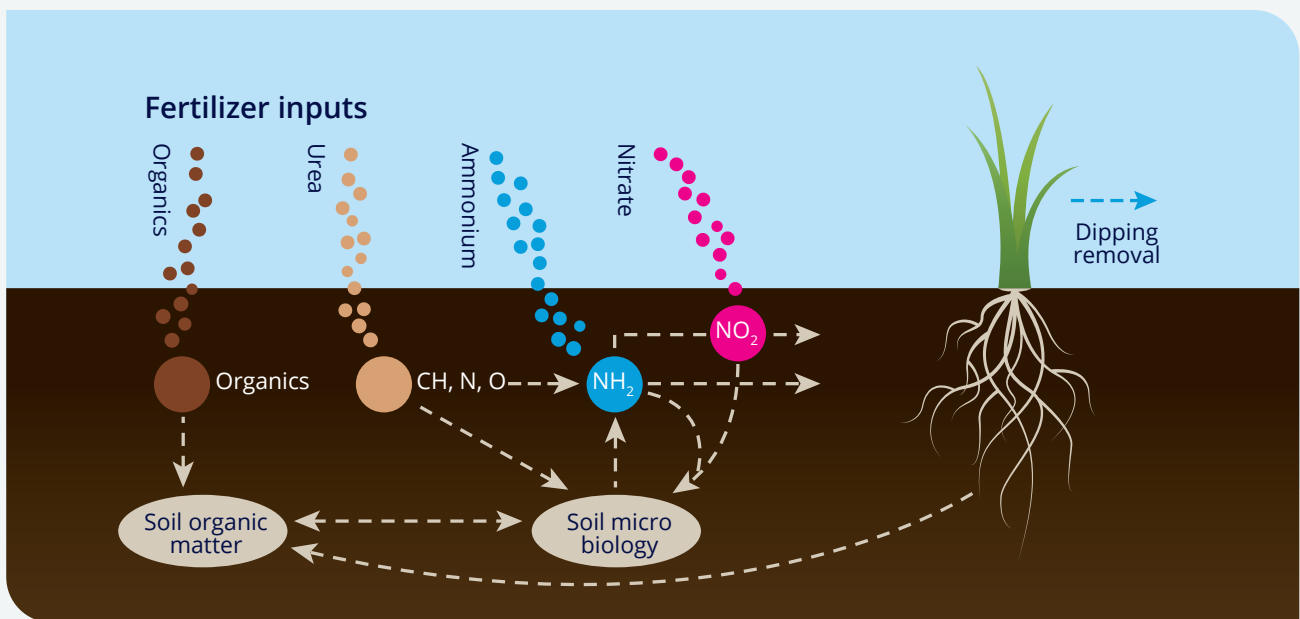
The C:N ratio in all Gronamic products allows mineralisation of organic nutrients with no lock-up or immobilisation.

Polyhalite (mineral) $K_2Ca_2Mg(SO_4)_4 \cdot 2(H_2O)$

- K** 14% K_2O as from potassium sulphate
- Mg** 6% MgO as from magnesium sulphate (3.6% Mg)
- Ca** 17% CaO as from calcium sulphate (12% Ca)

*No polyhalite included in Allround

Nitrogen cycle



C:N ratio

The C:N ratio determines whether the organic nutrients can be easily converted to an available form for plant uptake.

Will mineralisation or immobilisation take place?

At C:N < 20:1 mineralisation will occur
At C:N > 30:1 immobilisation will occur

Gronamic Golf High N

High nitrogen levels for sustained growth

16-3-6 +2MgO +2CaO +0.5Fe
(16-1.3-5 +1.2Mg +1.4Ca +0.5Fe)

Gronamic Golf High N is designed to deliver sustained nutrition to the turf plant through the growing season. The supply of all key macronutrients and iron allows for a healthy plant, great turf colour and resilience from wear.

The balance of mineral and organic components provides the benefits from both approaches of turf nutrition. Supplies carbon to the soil/rootzone.

Application notes

- ✓ Apply to dry foliage
- ✓ Water in if no rain falls within 1-2 days after application
- ✓ Irrigation or rainfall will assist dispersion and minimize risk on close mown surfaces
- ✗ Avoid applications during frosty or drought conditions
- ✗ Delay cutting or grooming for 2 days after application to allow product dispersal
- ✗ Product contains iron so if spilt on pavement, concrete or decorative surfaces brush off immediately as there is risk of staining

Benefits

- ✓ Ideal for use in spring and summer
- ✓ High nitrogen levels for sustained growth
- ✓ Great granulation means low application rates are possible
- ✓ Combination of ammonium, urea and organic nitrogen sources for consistent growth response
- ✓ Polyhalite mineral included to supply CaO, MgO & K for healthy growth
- ✓ Plant-based organic component



Product characteristics

Formulation type:	Mini-granule
Technology:	Slow release
Granule size:	1mm–2mm
Pack size:	25kg
Pack coverage:	833m ²
Granule dispersal:	Less than 4 days
Longevity:	6-8 weeks
Typical turf response:	3-7 days (depending on environmental factors)

Application information

Application rate: **30g/m²**

Areas of use

Greens	★
Greens Surrounds	★
Greens collars and approaches	★
Lawn Tennis	★
Tees	✓
Fairways	✓
Stadia pitches	✓
Sports pitches	✓
Outfields	✓
Lawns	✓

Gronamic Golf High N

Product name

oxide analysis
(elemental analysis)

Product notes

Gronamic Golf High N is designed for use through the main turf growing season.

Recommended period of use

J F M A M J J A S O N D

Gronamic Golf High N

16-3-6 +2MgO +2CaO +0.5Fe
(16-1.3-5 +1.2Mg +1.4Ca +0.5Fe)

Spreader settings

SR-2000 and Accupro 2000 spreader

Rate	Cone setting	Spread width	Single pass	Double pass
30g/m ²	7	4.0m	O	J ½
35g/m ²	7	4.0m	P ½	K ½
40g/m ²	7	4.0m	L	R

Gronamic Golf High K

Low nitrogen levels for controlled response

5-0-22 +2MgO +1.5CaO +0.5Fe
(5-0-18.3 +1.2Mg +1Ca +Fe)

Gronamic Golf High K delivers sustained nutrition to the turf plant through the growing season and high K levels. The supply of all key macronutrients and iron allows for a healthy plant, great turf colour and resilience from wear.

The balance of mineral and organic components provides the benefits from both approaches of turf nutrition. Supplies carbon to the soil/rootzone.

Application notes

- ✓ Apply to dry foliage
- ✓ Water in if no rain falls within 1-2 days after application
- ✓ Irrigation or rainfall will assist dispersion and minimize risk on close mown surfaces
- ✗ Avoid applications during frosty or drought conditions
- ✗ Delay cutting or grooming for 2 days after application to allow product dispersal
- ✗ Product contains iron so if spilt on pavement, concrete or decorative surfaces brush off immediately as there is risk of staining



Benefits

- ✓ Ideal for spring and summer applications
- ✓ Low nitrogen levels for more controlled response
- ✓ High potassium to support the plant in periods of stress
- ✓ Great granulation means low application rates are possible
- ✓ Combination of ammonium, urea and organic nitrogen sources
- ✓ Polyhalite mineral included to supply CaO, MgO & K for healthy growth
- ✓ Plant-based organic component

Product characteristics

Formulation type:	Mini-granule
Technology:	Slow release
Granule size:	1mm–2mm
Pack size:	25kg
Pack coverage:	625-833m ²
Granule dispersal:	Less than 4 days
Longevity:	6-8 weeks
Typical turf response:	3-7 days (depending on environmental factors)

Application information

Application rate: **30-40g/m²**

Areas of use

Greens	★
Greens Surrounds	★
Greens collars and approaches	★
Lawn Tennis	★
Tees	✓
Fairways	✓
Stadia pitches	✓
Sports pitches	✓
Outfields	✓
Lawns	✓

Gronamic Golf High K

Product name

oxide analysis
(elemental analysis)

Gronamic Golf High K
5-0-22 +2MgO +1.5CaO +0.5Fe
(5-0-18.3 +1.2Mg +1Ca +Fe)

Product notes

Ideal to use where lower N and higher K are required through the growing season.

Recommended period of use

J F M A M J J A S O N D

Spreader settings

SR-2000 and Accupro 2000 spreader

Rate	Cone setting	Spread width	Single pass	Double pass
30g/m ²	7	4.0m	O	J ½
35g/m ²	7	4.0m	P ½	K ½
40g/m ²	7	4.0m	L	R

Gronamic[®]
Sport

Gronamic Sport

High N

High nitrogen levels for sustained growth

16-3-6 +2MgO +2CaO +0.5Fe
(16-1.3-5 +1.2Mg +1.4Ca +Fe)

Gronamic Sport High N delivers sustained nutrition to the turf plant through the growing season. The supply of all key macronutrients and iron allows for a healthy plant, great turf colour and resilience from wear.

The balance of mineral and organic components provides the benefits from both approaches of turf nutrition. Supplies carbon to the soil/rootzone.

Application notes

- ✓ Apply to dry foliage
- ✓ Water in if no rain falls within 1-2 days after application
- ✓ Irrigation or rainfall will assist dispersion and minimize risk on close mown surfaces
- ✗ Avoid applications during frosty or drought conditions
- ✗ Delay cutting or grooming for 2 days after application to allow product dispersal
- ✗ Product contains iron so if spilt on pavement, concrete or decorative surfaces brush off immediately as there is risk of staining

Benefits

- ✓ Ideal through main growth periods of the season
- ✓ High nitrogen levels for sustained growth
- ✓ Combination of ammonium, urea and organic nitrogen sources
- ✓ Polyhalite mineral included to supply CaO, MgO & K for healthy growth
- ✓ Organic component supplies carbon to the soil



Product characteristics

Formulation type:	Standard granule
Technology:	Slow release
Granule size:	2mm-4mm
Pack size:	25kg
Pack coverage:	625-833m ²
Granule dispersal:	Less than 4 days
Longevity:	6-8 weeks
Typical turf response:	3-7 days (depending on environmental factors)

Areas of use

Tees	★
Fairways	★
Stadia Pitches	★
Sports Pitches	★
Outfields	★
Racecourses	★
Lawns	★

Application information

Application rate: **30-40g/m²**

Gronamic Sport High N

Product name

oxide analysis
(elemental analysis)

Gronamic Sport High N
16-3-6 +2MgO + 2CaO +0.5Fe
(16-1.3-5 +1.2Mg +1.4Ca +Fe)

Product notes

Balanced mineral and organic nutrients provide available and slow release nutrition.

Recommended period of use

J F M A M J J A S O N D

Spreader settings

SR-2000 and Accupro 2000 spreader

Rate	Cone setting	Spread width	Single pass	Double pass
30g/m ²	6	4.0m	V ½	O
35g/m ²	6	4.0m	n/a	P
40g/m ²	6	4.0m	n/a	Q

**Gronamic®
Allround**

Gronamic Allround

Sustained nutrient release

10-4-5 +2MgO +0.5Fe
(10-1.7-4.1 +1.2Mg +Fe)

Gronamic Allround delivers sustained nutrition to the turf plant through the growing season. The supply of key macronutrients allows for a healthy plant, sustained turf colour and resilience from wear.

The balance of mineral and organic components provides the benefits from both approaches of turf nutrition. Supplies carbon and a balanced C:N ratio to the soil/rootzone.

Application notes

- ✓ Apply to dry foliage
- ✓ Water in if no rain falls within 1-2 days after application
- ✓ Irrigation or rainfall will assist dispersion and minimize risk of mower pick-up
- ✗ Avoid applications during frosty or drought conditions
- ✗ Delay cutting or grooming for 2 days after application to allow product dispersal
- ✗ Product contains iron so if spilt on pavement, concrete or decorative surfaces brush off immediately as there is risk of staining



Benefits

- ✓ Supports plant growth through the growing season
- ✓ Combination of ammonium, urea and organic nitrogen sources
- ✓ Sustained nutrient release
- ✓ Organic component supplies carbon to the soil

Product characteristics

Formulation type:	Standard granule
Technology:	Slow release
Granule size:	2mm-4mm
Pack size:	25kg
Pack coverage:	625-833m ²
Granule dispersal:	Less than 4 days
Longevity:	6-8 weeks
Typical turf response:	3-7 days (depending on environmental factors)

Areas of use

Tees	✓
Fairways	✓
Stadia Pitches	✓
Sports Pitches	★
Outfields	★
Racecourses/Gallops	★
Lawns	★

Application information

Application rate: **30-40g/m²**

Gronamic Allround

Product name

oxide analysis
(elemental analysis)

Gronamic Allround
10-4-5 +2MgO +0.5Fe
(10-1.7-4.1 +1.2MgO +Fe)

Product notes

Balanced mineral and organic nutrients provide available and slow release nutrition.

Recommended period of use

J F M A M J J A S O N D

Spreader settings

SR-2000 and Accupro 2000 spreader

Rate	Cone setting	Spread width	Single pass	Double pass
30g/m ²	6	4.0m	V ½	O
35g/m ²	6	4.0m	n/a	P
40g/m ²	6	4.0m	n/a	Q



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