



« Enhanced efficiency through innovation »



GreenGold® 30



Name:

GreenGold®, in Afrikaans: **GroenGoud®**

Properties (What):

- A dry fertilizer comprising a winning combination of 30% Nitrogen (N), 9,6% Calcium (Ca) and 0,16% Boron (B).
- The N in the nitrate form gives a rapid response and the N in the amine form gives a longer reaction, while the Ca and B are both highly plant available for immediate reaction.
- **GreenGold®** is treated with **Agrotain®**, a urease inhibitor which controls potential nitrogen volatilization losses to negligible levels.

Advantages (Why):

- After hydrolysis 100% of the N can be adsorbed onto the clay particles in the soil and is less prone to leaching.
- After hydrolysis, 100% is in the ammonium-N form and is available to the plants.
- The nitrate nitrogen is available to the plant immediately. This results in a rapid plant reaction after application.
- Enhanced efficiency results in cost savings and possible higher yield and profitability.
- Ca promotes nitrate absorption. There is also synergy between Ca and B in the plant.
- Ca is part of the cell walls, and involved in cell division as well as cell elongation; thus in general growth, but especially in root development.
- B plays an important role in pollination and fertilisation and is critical during the grain fill stage.
- Concentration still higher than most other nitrogen sources and therefore transportation costs are less.
- The advantages of nitrogen, calcium and boron – all in one application only.

Uses (Where):

- Used where nitrogen, calcium and boron are needed. These deficiencies occur mostly on sandy soils with a low organic matter content.
- Also considered to be suitable for minimum and no-till systems.
- Apart from grain crops, **GreenGold®** is also highly suitable for vegetables and fruit and is also effective as top dressing on sunflower and pastures.

Application (How):

- Can be applied pre-plant, at planting (in fertilizer blends) and post plant (as top dressing).
- If needed, it can be applied on the soil surface.



« **Verbeterde doeltreffendheid deur innovasie** »



GroenGoud® 30



Naam:

GroenGoud®, in Engels: **GreenGold®**

Eienskappe (Wat):

- 'n Droë kunsmis wat 'n wenkombinasie van 30% Stikstof (N), 9,6% Kalsium (Ca) en 0,16% Boor (B) bevat.
- Die N in die nitraatvorm gee 'n vinnige reaksie terwyl die amien-vorm 'n langer reaksie gee, terwyl die Ca en B hoogs plantopneembaar is vir onmiddellike reaksie.
- **GroenGoud®** is met **Agrotain®**, 'n urease inhibeerder behandel om potensiële stikstofvervlugtingsverliese byna weglaatbaar klein te maak.

Voordele (Hoekom):

- 100% van die N kan na hidrolise aan die klei adsorbeer en is minder onderhewig aan loging.
- Na hidrolise, is 100% in die ammonium-N-vorm vir gewasse beskikbaar.
- Die nitraatstikstof is onmiddellik plantbeskikbaar en gee 'n vinnige plantreaksie na toediening.
- Verhoogde effektiwiteit bring kostebesparing en moontlike hoër opbrengs mee wat winsgewendheid verhoog.
- Ca bevorder nitraatopname en daar is ook sinergie tussen Ca en B in die plant.
- Ca is deel van selwande en ook betrokke by seldeling en -verlenging en dus algemene groei, maar ook veral by wortelontwikkeling.
- B speel 'n belangrike rol by bestuiwing en bevrugting en is uiters belangrik gedurende die graanvulstadium.
- Konsentrasie nog steeds hoër as die meeste ander stikstofbronne wat besparing op vervoerkoste meebring.
- Stikstof, kalsium en boor met al hulle voordele, in net een toediening.

Gebruike (Waar):

- Word gebruik waar stikstof, kalsium en boor benodig word. Hierdie tekorte kom veral op sandgronde laag in organiese materiaal voor.
- Is ook geskik vir gebruik onder minimum- en geen-beweringspraktyke (no-till).
- Buiten graangewasse is **GroenGoud®** uiters geskik vir groente en vrugte en kan ook met groot sukses as bo-bemesting op sonneblom en weidings gebruik word.

Toediening (Hoe):

- Kan voor-plant, met plant (in kunsmismengsels) en na-plant (as bo-bemesting) toegedien word.
- Kan indien nodig bo-op die grond toegedien word.