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So while our clients think about the farm-to-table journey, we take care of the lab-to-crop innovation.

And the result? A safer, more sustainable way to put food on everyone's table.

### MEET THE TEAM

#### GARETH NEL

Technical Officer

"Being a scientist is rooted in curiosity. Not just wanting to know but needing to know how things work and why things happen." Gareth holds a Bachelor of Science in Chemistry and Microbiology. As a Chemist, he is responsible for analytical instrument calibrations, method validations and maintaining the laboratory's quality management system according to the ISO 17025 standard.

#### WELMARIE VAN SCHALKWYK

Laboratory Manager

"I am passionate about the laboratory here at Introlab since we have the passion and potential to become a world-class institution."

During her studies at Stellenbosch University, Welmarie initially started with a human life sciences degree with the aim to go into medicine. Welmarie quickly realized Chemistry is where her passion lies, and subsequently changed course going on to obtain her PhD in Chemistry and Polymer Science.



## THE SCIENTISTS

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Welcome to the December 2022 | January 2023 edition of the AGRIFOODSA Magazine.

It's the most wonderful time of year, the season of holidays! From summer fun through to Hanukkah, Kwanzaa, Christmas, New Year's Day, and every day in between, there are countless reasons to celebrate. And we're happy to celebrate with you.

2022 was a challenging year for us and many of our subscribers, but it also brought about countless wonderful opportunities.

One such opportunity was our partnership with KragDag, who we are proud media sponsors to. A new endeavour for them – and us – is the Sakeliga KragDag Western Cape Expo to take place in Malmesbury on 17 and 18 February 2023. The Sakeliga KragDag Expo is the largest alternative energy and independent lifestyle expo in South Africa. As of 2019 the expo also includes a full-fledged Agricultural Sub-Expo in collaboration with TLU. With its unique character, it is also the largest Afrikaans event of its kind in the world and is growing every year.

With the motto "do your own thing", KragDag focuses on self- and mutual care solutions for households, farms and small to medium enterprises. Renewable energy and related matters play a central role, but provision is also made for other aspects that make a life of self-preservation and self-sufficiency possible. To find out more about this incredible event, go to [www.kragdag.co.za](http://www.kragdag.co.za).

Be on the lookout for our monthly AGRIFOODSA Newsletter, featuring our digital magazine, informative articles, exciting competitions and more. We're already reaching 25,000 South Africans nationwide, so to sign up to our newsletter, contact [info@agrifoodsa.info](mailto:info@agrifoodsa.info).

Also be sure to head on over to our AFSA Facebook page ([www.facebook.com/agrifoodsa](http://www.facebook.com/agrifoodsa)) for more competitions, funnies, Advertiser Showcases and recipes, as well as helpful and informative articles uploaded on the daily.

I hope you celebrate every day like a holiday, and that the New Year brings you good health, inspiration, and a mission to do as many productive tasks as you can squeeze into each day.

Season's greetings,

*Chantell de Bruin*

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[@chantellschmahl](https://twitter.com/chantellschmahl)

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## COVER PHOTO

Sakeliga KragDag : See pages 14-15 for more



## LAYOUT, PUBLISHING & DISTRIBUTION

MES Consultants South Africa

Format	: B5, full-colour, glossy magazine
Frequency	: Bi-monthly
Language	: Bilingual
LSM	: 6-10
Print run	: 10 000 - 15 000
Digital run	: 12 000
Readership	: 70 000
Distribution	: Nationally available at agricultural outlets (See our website for a complete list)
Read online	: <a href="http://www.agrifoodsa.info/magazine">www.agrifoodsa.info/magazine</a>



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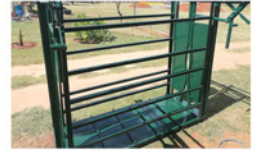
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## MISDAADVOORKOMING EN PLAASBESTUUR OP DIE PLATTELAND DEUR GEVORDERDE TEGNOLOGIE EN GEMEENSKAPSONTWIKKELING

### DEEL 4

HIERDIE IS DIE DERDE SKRYWE VAN 'N REEKS VAN SEWE SKRYWES WAT FOKUS OP DIE VOLGENDE ASPEKTE:

- **Skrywe 1:**  
Inleiding tot huidige probleme en 'n kort beskrywing waartoe tegnologie kan bydra.
- **Skrywe 2:**  
Inleiding tot aspekte van tegnologie om plaasbestuur en veiligheid drasties te kan verbeter.
- **Skrywe 3:**  
Gevorderde videotegnologie wat 'n groot impak kan maak op plaaslike veiligheid; voorkoming van vee-en ander diefstal.
- **Skrywe 4:**  
Ontplooiing van videotegnologie vir uiters effektiewe plaasbestuur.
- **Skrywe 5:**  
Effektiewe bestuur kan net gedoen word aan wat gemeet kan word. Die ontplooiing van verskeie tegnologiese toepassings vir effektiewe plaasbestuur is dus van kardinale belang.
- **Skrywe 6:**  
Die belangrike voorlegging van inligting en die operasionele belangrikheid van videomonitoring deur beheer-kamerstelsels.
- **Skrywe 7:**  
Opsomming van die kernaspekte van die vorige skrywes en die belangrikheid van gemeenskapsdeelname.



#### INLEIDING

Die vorige drie artikels in die reeks was hoofsaaklik 'n inleiding oor die belangrikheid van tegnologie vir videomonitoring op plase, asook vir padkameras vir onder andere sekuriteit en veediefstal.

Hierdie artikel gaan meer oor die gebruik van tegnologie vir die effektiewe bestuur van 'n boer se plaas. Tegnologie is so ver gevorderd dat dit feitlik in alle fasette van 'n plaas gebruik kan word.

Die tegnologie vir effektiewe plaasbestuur.

Vooruitgang op die gebied van wetenskap en tegnologie is die sleutel tot doeltreffende en winsgewende boerdery. Die korrekte en effektiewe aanwending van tegnologie op verskeie vlakke sal 'n baie groot impak op plaasbestuur kan maak soos met sekuriteit en diefstalvoorkoming; asook die algemene bestuur en beheer van 'n plaas.

'n Paar voorbeelde is:

- **Waterbestuur**

Water is natuurlik een van die skaarste lewensbronne in Suid-Afrika. Die monitoring en beheer van waterstelsels is dus uiters belangrik.

Dit sluit in spilpuntbeheer en waterpomp-outomatisering en -monitoring; pyplyndrukmonitoring en -bestuur om seker te maak pyplyne word volgens spesifikasies gebruik om pypbarste en -lekke op te spoor en te voorkom; die meting van watergebruik op die verskeie punte op die plaas; asook klepmonitoring en -



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outomatisering vir pompspoed om waterdruk en vloei te beheer. Dit kan gekombineer word met vogmonitering op lande.



• **Energiebestuur**

Energie kan een van die grootste uitgawes op 'n plaas wees, veral waar groot enjins vir pompe gebruik word by plaasverwerkingsaanlegte en meulens. Energiemeters kan geïnstalleer word waar Eskomkrag die plaas binnekom om rekenings te verifieer.

Groot energiekoste kan bespaar word deur 'n diepgaande energie-oudit deur spesialiste te laat doen. Dit kan beslis verskeie besparingsopsies oplewer. Met SDE se ondervinding op plase landwyd, word ondervind dat hierdie

aspek bitter min aandag geniet.

• **Sonenergie**

Goed ontwerpte sonenergiestelsels kan natuurlik 'n baie groot bydrae lewer tot energiebesparing en 'n belangrike deel uitmaak van jou energiebestuursplan.

Weereens is dit duidelik dat geen ontwerpe wat uit die duim gesuig word tot die beste oplossings sal lei nie. 'n Sonkragstelsel moet van die begin af korrek ontwikkel word met betroubare toerusting en 'n betroubare diensverskaffer.



• **Bestuur van land en weiding**

Tegnologie het baie gevorder om verskeie grondparameters dadelik te meet en aan die bestuur te rapporteer; wat hulle weer in staat sal stel om onmiddellik te weet wat die grondtoestand is. Dit is nie net vir aangeplante lande nie, maar ook die weiding in die veld.

Hier kan weerstasies ook 'n groot bydrae maak om 'n holistiese oorsig te kry.

• **Bestuur van vee**

Daar is 'n wye verskeidenheid moniteringstelsels wat baie effektief vir die bestuur van vee gebruik kan word. Dit sluit in aspekte soos beweging/aktiwiteit, koors en weegstelsels.

Verskillende videostelseltegnologieë kan ontplooi word om krale en weidingsareas vir byvoorbeeld indringers te monitor, of afgedwaalde vee dag en nag dop te hou.

• **Bestuur van brandstof**

Brandstofdiefstal raak ook 'n al hoe groter probleem. Tegnologie kan suksesvol gebruik word vir brandstofmonitering en daardeur

effektiewe beheer toe te pas.

• **Plaaswerf en stoorareas**

Baie diefstal word onder die neus van die boer in en om die erf en stoorplekke gepleeg. Saad, kunsmis, gereedskap, trekker en ander diefstal kan doeltreffend beperk word deur die ontplooiing van verskeie tegnologieë.

• **Bestuur van werkers**

Plaaswerkers kan ongelukkig ook 'n groot probleem skep en tot verliese lei indien dit nie reg beheer word nie. Weereens kan tegnologie gebruik word deur werkers se aktiwiteite dop te hou en toegang en werksure te beheer.

**Bestuursplatform**

Bogenoemde is net 'n paar voorbeelde waar tegnologie uiters suksesvol aangewend kan word. Dit kan egter baie wyer toegepas word deur 'n holistiese benadering te volg.

Monitering vir die bestuurspan beteken niks indien die data en inligting nie op die punte van die boer se vingers beskikbaar is nie. Dataversameling, ontleding en verwerking is van uiterste belang. Hiervoor is verskeie opsies beskikbaar.

Al die inligting kan op die boer se rekenaar versamel word, óf deesdae op die internetwolk vanwaar die plaas gemonitor en bestuur kan word vanaf enige plek in die wêreld met die boer se slimfoon, tablet of skootrekenaar.

Alarms en dringende inligting kan ook direk na die boer se selfoon gestuur word.

SDE is 'n maatskappy wat gebruik maak van uiters professionele personeel met baie jare se ondervinding. SDE kan op enige stadium gekontak word vir meer inligting.



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## SAKELIGA KRAGDAG BRING BEKENDE GAUTENG “KRAGSTASIE KAAP TOE!

DIE GROOTSTE ALTERNATIEWE ENERGIE EN SELFSTANDIGHEID-EKSPLO IN DIE LAND



KragDag, die bekende doen-jou-eie-ding selfstandigheidsekspe, sal saam met Sakeliga as hoofborg, vir twee dae 'n "kragstasie" in die Wes-Kaap, net buite Malmesbury oprig wanneer dié ekspe vir die eerste keer op 17 en 18 Februarie 2023 op die bekende Môreson Plaas aangebied word.

HP Steyn, besturende direkteur van KragDag verduidelik: "Ons tema vir 2023 is 'Kom ons bou 'n kragstasie'. Ons glo dat die energie wat nodig is om die snelle pas van staatsverval die hoof te bied, in

gemeenskapsselfstandigheid opgesluit lê. Kragprobleme word nie opgelos deur bloot 'n kers aan te steek nie. Dit word opgelos waar individue, ondernemings en gemeenskappe by mekaar kom kers opsteek om selfstandiger te leef en sake te doen.

Sakeliga KragDag is dié plek waar entrepreneurskap en tegnologie saamgevoeg word tot die grootste versameling van selfstandigheidsoplossings op elke denkbare terrein."

Piet le Roux, uitvoerende hoof van Sakeliga, die hoofborg van KragDag voeg by: "Sakeliga KragDag is 'n kragstasie met 'n besondere (en ononderbroke!) energie. Energie om anders te dink oor selfstandigheid. Hier kan mens praktiese planne in werking sien en belangrike treë gee na groter staatsbestandheid.

Staatsbestande ondernemings skep staatsbestande sakegemeenskappe met die veerkragtigheid

Ondernemings wat inpas by die tema en graag by KragDag wil uitstal,  
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om ondanks staatsverval voorspoedige gemeenskappe op te rig en in stand te hou.”

Steyn bevestig dat alternatiewe kragopwekking ’n groot fokus sal wees by Februarie se ekspo. “In 2020 is 844 ure beurtkrag toegepas, in 2021 het dit gestyg na 1 153 ure en vanjaar het ons reeds 2 400 ure, oftewel 100 dae van beurtkrag verbygesteek. Kragoplossings is dus dringender as ooit vantevore. Daar sal egter ’n groot verskeidenheid selfstandigheidsoplossings vir alle lewensterreine wees. Of die uitdagings nou watertekorte, watersuiwering, voedselproduksie, onderwys of sekuriteit is, planne sal daar wees!”



Sakeliga KragDag is sedert 2008 al 13 keer aangebied en het van enkele, tot bykans 600 uitstallers en van etlike honderde tot meer as 31 000 besoekers in Augustus vanjaar gegroei.



Steyn skryf die groei toe aan groot verskeidenheid van werkbare oplossings wat by die ekspo te siene is, maar veral ook die feestelikheid. “Daar is werklik min ekspo’s wat iets vir elkeen in die gesin bied. Ons sien daarna uit om die feestelike atmosfeer en gesinsvriendelike karakter wat besoekers in Gauteng beleef, saam te bring Kaap toe.”

**MÔRESON PLAAS, MALMESBURY, WES-KAAP**  
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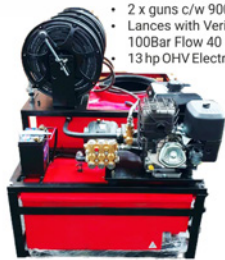
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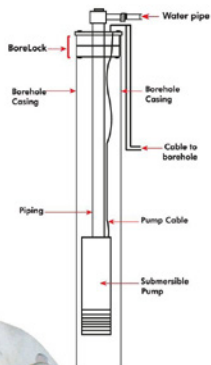
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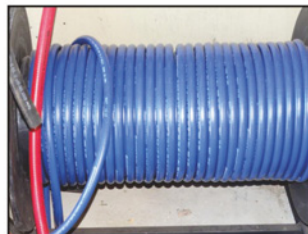
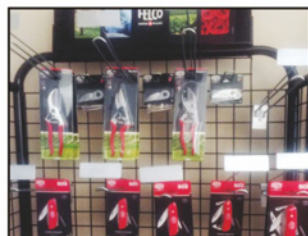
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'n Unieke kombinasie van **Organiese sure, Aminosure** en **Ensieme**, vir die verbetering van grondgesondheid, versterking van wortelgroei by plante en saailinge.

*Boor(B)...2g/Kg, Magnesium (Mg)...1g/kg*

B5089  
**COA FERTIGATION**

'n Unieke kombinasie van spesifieke **Humaat** en **Fulvien** samestellings vir grond en groeimedium aanwending. Spesifiek geformuleer vir optimale ondersteuning van plante-voedingstowwe in die wortelsone.

*Stikstof (N)...56 g/kg N, Stikstof (S)...5 g/kg*

B4683  
**CCM**

'n Ultrafyn gemikroniseerde **MG/Ca** bron in die **Karbonaat** vorm gemiddelde partikel grootte van 5 – 15Mikron

(1 000 x kleiner as die 80% van Konvensionele Landbou kalk)

*Ca...190g/kg, Mg...110g/kg, Organies...30g/kg*

B4990  
**COMPLEX CALSUS**

'n Ultrafyn gemikroniseerde **Ca** bron in die **Sulfaat** vorm gemiddelde partikel grootte tussen 5 – 15Mikron

(1 000 x kleiner as die 80% van Konvensionele Landbou kalk)

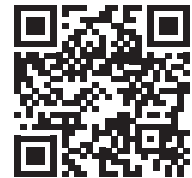
*Ca...230g/kg*

B4682  
**COMPLEX CALSUS**

'n Ultrafyn gemikroniseerde **Ca** bron in die **Karbonaat** vorm gemiddelde partikel grootte tussen 5 – 15Mikron

(1 000 x kleiner as die 80% van Konvensionele Landbou kalk)

*Ca...400g/kg, Mg...30g/kg, Organies...30g/k*



Kontak ons

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Address: 9 Silver Crescent, Delmas, 2210

# ULTRAFINE LIME

## THE FUTURE OF ULTRAFINE LIME AND GYPSUM IN AGRICULTURE

Ultrafine lime provides ease of application but also delivers outstanding performance. Application of ultrafine lime in suspension gives the control necessary for a uniform and easy application. Performance is also better due to a particle size of between 5 and 15 microns. This improved technology brings with it a better reactivity and reaction rate, with the ultrafine particles being able to move in between the larger soil particles. The particles can move as deep as 15 cm into the soil where the pH, Ca: Mg ratios are improved, with improved microbial activity and nutrient availability.

### When to administer?

Lime is applied primarily for soil correction while plants thrive on amended soil. Due to the increased reactivity, ultrafine lime can be applied at any time before planting and even after planting. Ultrafine lime can even be applied through irrigation systems. Smaller applications can now be applied during the growing season if needed.

### How long does it take for ultrafine lime to work?

Reactivity of lime depends on the type of lime. Lime sources differ in CCE (calcium carbonate equivalent) and/or magnesium content. The fineness of the lime will also affect the reactivity. Thus, the finer and higher the CCE of the limestone is, the faster and more effective the reaction in the soil.

World Focus Agri's ultrafine lime and gypsum are so fine that they need to be applied in a suspension and because lime needs water to react in soil the reaction starts immediately after it is applied to the soil.

### How often is liming necessary?

The answer to this question depends on a variety of considerations.

Soils with low CEC (cation exchange capacity) respond to relatively little lime, with more frequent applications in smaller increments.

Soil with a high CEC requires greater amounts of lime and it may take several years before liming is required again. Smaller amounts can now be administered more frequently.

In general, ultrafine lime/gypsum can be done as part of the annual fertilisation programme. In row crops ultrafine lime/gypsum can also be applied in the fertilizer band for neutralisation of acidification resulting from the oxidation of reduced N-fertilizer applied.

### BENEFITS:

- Ease of application
- Higher reactivity
- Vertical motion in soil
- Less transport costs
- More uniform application

World Focus Agri Products:  
Complex Calsus, Complex Calsul en CCM

Written by:  
At van Schalkwyk  
Marketing Manager - World Focus

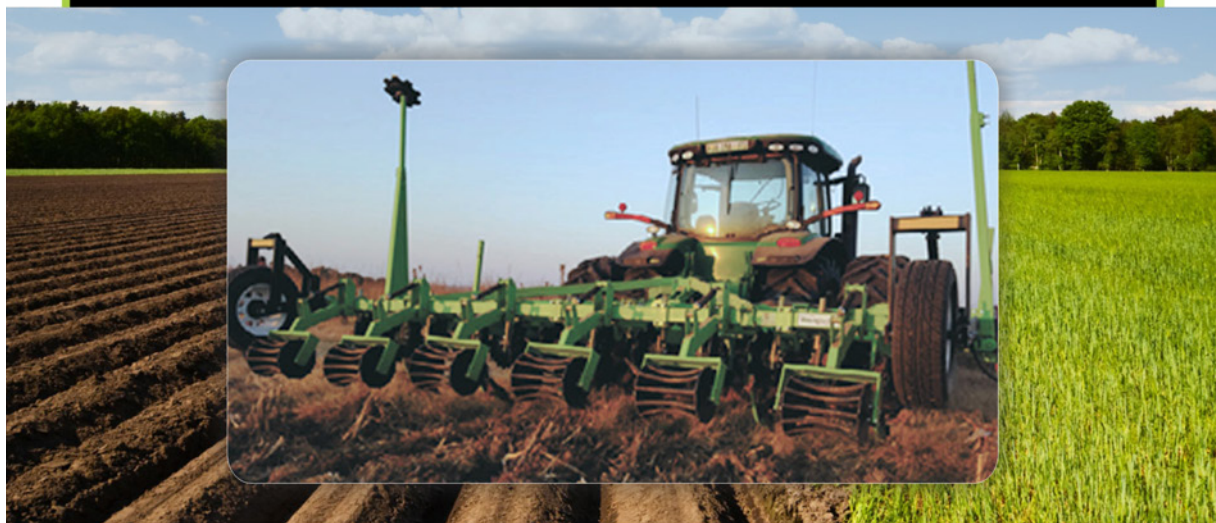
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## Equipment



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When you choose Ripper Tillage Equipment, you will find a friendly and competent supplier who truly cares about your interests and building long-term commercial relationships in your yearly farming practices. As a family that has been involved in the manufacturing of agricultural equipment for the past three decades we truly understand the challenges our South African farmers are facing and hence provide equipment and services that meet needs and requirements of our customers.

A dynamic company founded in 1984 by Chris Botha, a third-generation farmer on Graspan that prides itself with the engineering and manufacturing of robust agricultural equipment designed to accommodate the

farmer's soil conditions and requirements.

Ripper Tillage Equipment was established in 2014 by Christine Boucher second generation of manufacturers. Together with Christoff Botha we proud ourselves as a brother and sister team, delivering quality agricultural products for the past 8 years.

Our core operational activities consist of the design, retail and manufacturing of seedbed preparation products within the conservation practices of soil preparation. With the focus on an ever-changing environment, we supply everything from pre-planting tools, planting equipment to after-planting practices.

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- 5 Year Lifetime Quality



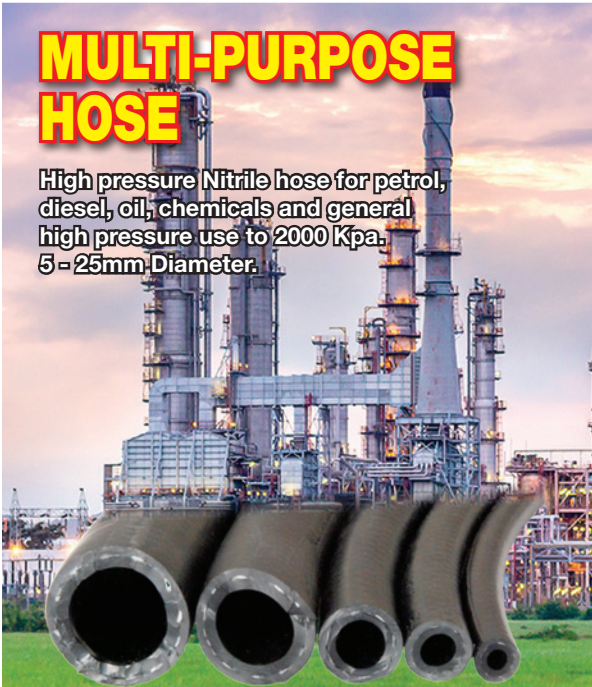
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# CARRUS FUEL SENSE

## SIT GELD TERUG IN JOU SAK!



Die Carrus Fuel Sense produk is 'n omvattende brandstofbestuursoplossing. Dit fokus op akkurate toedeling van brandstof-kostes aan voertuie en toerusting en stel jou in staat om brandstofverbruik baie akkuraat te kontroleer. Hierdie akkurate en tydige inligting is ook onmiddellik beskikbaar op jou selfoon en rekenaar.

Die inligting word gestuur by Carrus Fuel Sense se Risikobeheerkamer. Deur hierdie inligting sigbaar te maak, word brandstofverbruik per uur en/of kilometer akkuraat gemeet en daar word noukeurig rekord gehou oor tyd, wat jou in staat stel om te fokus op probleem areas en waarlik brandstofkoste drasties te verminder.

#### KENMERKE:

- Die hele brandstofsisteem is gesluit en word slegs ontsluit deur gemagtigde tags.
- Brandstofvenkies word deurtyd elektronies gemoniteer wat jou in staat stel om dieselaflerings te kan verifieer asook daagliks te kan rekonsilieer op "brandstof-in" en "brandstof-uit".
- Alle inligting is ook beskikbaar op jou selfoon en/of tablet.

#### DIE VOORDELE OM CARRUS FUEL SENSE TE GEBRUIK:

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## IN SEPTEMBER 2021 A VELD FIRE BROKE OUT IN THE FREE STATE

ACCORDING TO AN ARTICLE BY SABC NEWS:

**"More than 25 000 hectares of agriculture has been destroyed due to veld fires"**

**One of the affected farmers had this to say:**

"I have lost about 1000 hectares of my farm that is 2100 hectares which is about 50% of the grazing that I have lost. It is bad because grazing is more important as cattle farmers, we are grazing farmers. But that is part of life. We must be positive in going forward. At least I still have some grazing left."

The raging veld fires in Ventersburg, Virginia, and some parts of Winburg and Bloemfontein gutted about 40 farms.

The fact is that every farmer is acutely aware of the threat posed to their livelihoods by natural occurring disasters, and sometimes even unnatural occurring disasters. Veld Fires pose an ever-present threat, and as it can be seen, once the fires rage out of control, the damage caused is almost incalculable. The human cost in terms of loss of livelihood, generations old businesses being lost, and the trauma individuals go through when such a raging fire occurs, cannot be expressed in merely statistical terms.

South Africa is a dry land, and we are always just one spark away from annihilation by Fire. It is, therefore,

imperative that we maintain our awareness of this pressing issue. Regulatory bodies have set out rules, set in South Africa's legislation, to govern the safety standards to be followed in the prevention of veld fires in the "National Veld and Forest Fire Act: Fire Protection Association Regulations"

Having understood the importance of preventative measures to be taken by farmers, as well as commercial and industrial enterprises, Aquadam has developed a Fire Tank which can be easily installed, is cost-effective compared to traditional concrete dams, and is designed to a safety specification which ensures that Water is available quickly, and without fuss, whenever the need arises. We are in the business of saving water, first and foremost, however we understand that there are additional applications for which our tanks are well-suited.

The Zincalume Steel used as the Shell of the Aquadam Fire Tank is an incredibly durable product. offers a superior level of protection against oxidation when compared to raw and untreated steel. Zinc, in fact, corrodes at about 1/30th the rate of untreated steel, and is in effect designed to last a lifetime. With such a long-projected life-expectancy, we aim to put the minds of our farmers at ease, knowing that should disaster strike, they have a shield against the worst possible outcomes. That shield is made from Zincalume Steel and it is in the shape of an Aquadam Fire Tank. Available sizes in terms of volume range from 13 thousand liters to 3.2 million Liters.

No job is therefore too big, or too small, for an Aquadam Fire Tank. We would love to hear from farmers who are aware of the looming threats posed by natural disasters, and it is our absolute pleasure to be involved in the agricultural industry. Anything we can do to assist, and to ensure the positive growth of agriculture in South Africa, is our reason for being. We view it as a privilege.

Thank you for reading, please get in touch with us at your earliest convenience for more information on how we can help you maintain a safe farming environment.



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750w DC Solar Borehole Pump Set.



**HYDRO AXIS 3.8-180**  
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| <ul style="list-style-type: none"> <li>• Maximum Head: 77m.</li> <li>• Maximum Flow: 1200 l/h.</li> <li>• Fully Automatic.</li> <li>• Dry Running Protection.</li> </ul> | <ul style="list-style-type: none"> <li>• Maximum Head: 150m.</li> <li>• Maximum Flow: 2000 l/h.</li> <li>• Fully Automatic.</li> <li>• Dry Running Protection.</li> </ul> | <ul style="list-style-type: none"> <li>• Maximum Head: 180m.</li> <li>• Maximum Flow: 3800 l/h.</li> <li>• Automatic switching.</li> <li>• Powered either by Solar DC or AC electrical power.</li> </ul> |
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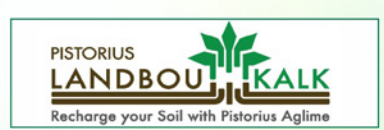
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Fertasa and its members are committed to the promotion of sustainable soil fertility and enhanced plant nutrition. Member companies and others are encouraged to share their experiences in proven techniques and novel approaches in ensuring social, environmental and economic sustainability for all.





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Ons lewer af in enige land. Afslag op volume beskikbaar.



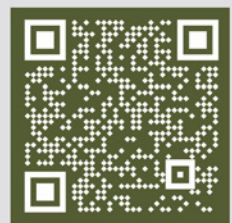
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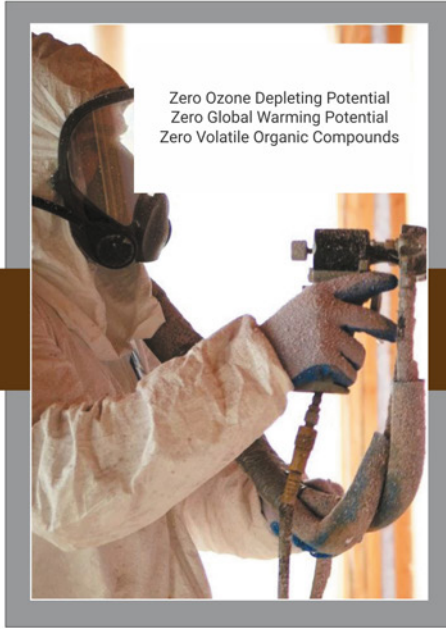
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SPF applications form a durable seamless skin that insulates and air seals buildings, in one step, and prevents any condensation from forming. It can be applied to any type of roof and wall surface, both on the interior and the exterior, as well as to floors and wall cavities.

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## *Goodbye 2022, Hello 2023!*

As we approach the end of 2022, some of the after effects of the pandemic could still be felt in the international freight operations. The industry faced various challenges throughout the year, the floods in Kwa-Zulu Natal and the national Port Strike, only to mention a few. Equipment shortages, lack of capacity, port congestion, unreliable transit times and port delays added to the various obstacles that we have faced in 2022.

At LTG we are constantly adapting to the impacting factors in a very unreliable and competitive market and we are proud to say that we have conquered 2022. To mention only a few highlights, we successfully achieved our Level 3 BEE status and ISO 9001:2015 Re-Certification, as well as managed to sign on quite a few new clients and retained most of our current clients. It definitely takes a team effort and comradery to achieve all this.

We also have various internal strategic projects planned for this coming year, all focussed on expanding the employee experience and knowledge base and to improve client satisfaction.

We are looking forward to a well-deserved break during the Festive Season and spending some time with family and friends before seizing new challenges and opportunities that will come our way in 2023.

LTG wishes you and your loved ones a blessed holiday season and a joyful and prosperous New Year!



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Ovitech is in 2008 gestig deur die huidige 3 direkteure. Op daardie stadium het ons reeds jare ondervinding in die pluimveebedryf gehad, spesifiek eier-gradeer masjiene en verwante toerusting.

Ons het vroeg reeds 'n samewerkings ooreenkoms met Sanovo (Staalkat) bereik en n jaar later is die Suider Afrikaanse agentskap aan ons toegeken.

Ons reputasie het spoedig die aandag van ander rolspelers getrek en ons het nog 3 agentskappe bekom.

Die ander maatskappye wat ons verteenwoordig is Nuovo, Gi-Ovo en Ovo-Tech. Ons is vandag die leiers in verkope van nuwe toerusting in pakstasies in Suidelike Afrika.

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Dewald Wenholdt - +27 (0) 82 709 8426  
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MERRY

# Christmas



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### PLEASE TAKE NOTE

Our offices will be closed for the festive season break.

15 December 2022 - 03 January 2023

Wish you all the best this holiday season!  
Have a prosperous New Year!

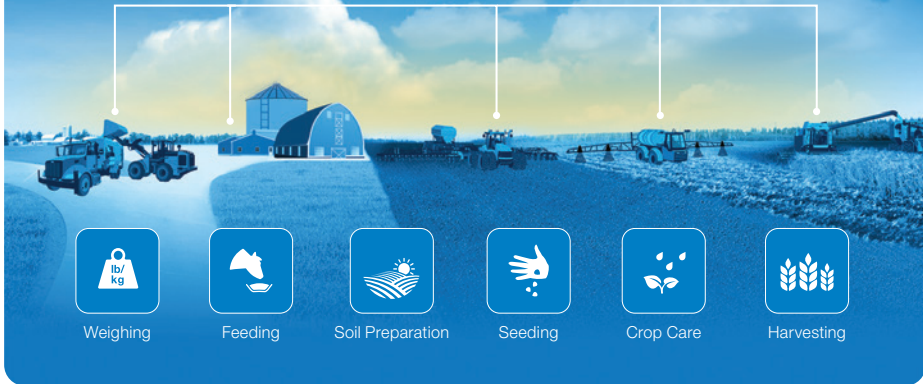
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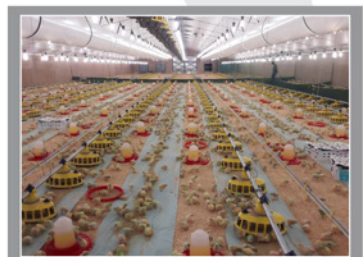
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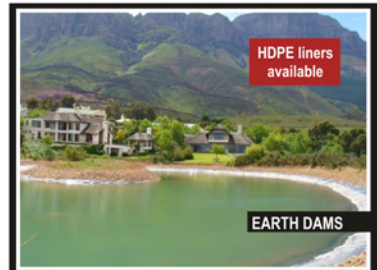
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High Speed Hammer mill—after collecting the samp coming out of the aspirator, mill the samp in the high speed hammer mill. The screen size will determine the end product.

### Specs

MODEL	SUPERPLANT
<b>Rotor speed</b>	
High Speed	3400 rpm
Slow Speed	725 rpm
<b>Motor speed</b>	1450 rpm
kW Required	11kW / 15KW
HP Required	20 HP
<b>Screen Size</b>	1500 x 130 mm
<b>Hammer mill size</b>	246 x 175 x 146 cm
<b>Maize—Slow speed Mill</b>	
6-8mm Screen	150-200 kg/h
<b>Maize—High speed Mill</b>	
0.8mm Screen	400 kg/h
1.2mm Screen	500 kg/h

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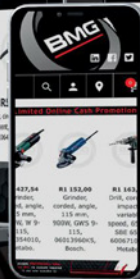
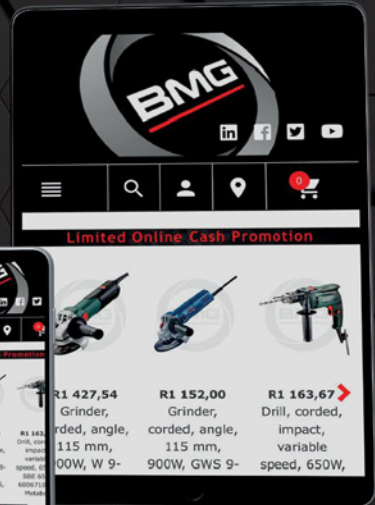
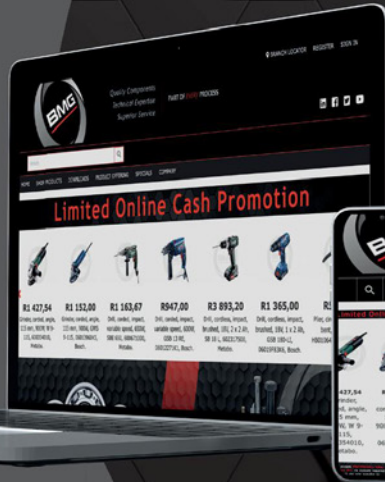
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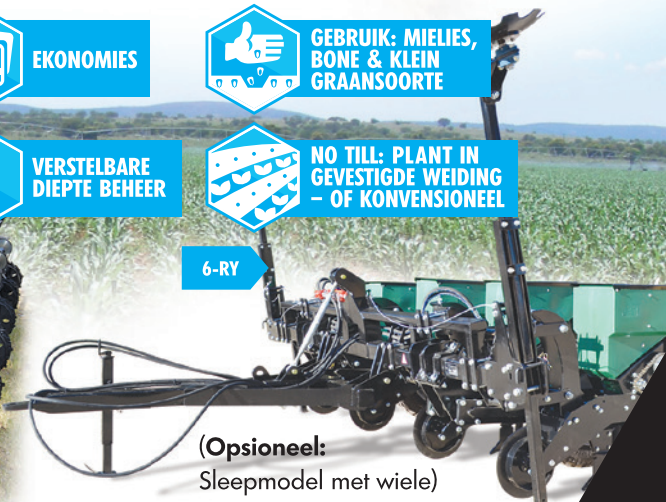
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Hierdie versekeringsproduk is gegrond op 'n gewaarborgde inkomste en verseker die produsent teen randwaarde per hektaar. Twee veranderlikes word dus tydens eise in berekening gebring naamlik: Prys (SAFEX) en Opbrengs (Ton). Dekking is vir Mielies, Sonneblom en Sojabone.

**Watter soort skade word gedek?**  
Droogte, Brand, Hael, Transito, Ryp, Oormaat Reën, Vloed, Onbeheerbare plantsiektes en -insekplae, Oormatige hittegolwe.

**Hoe word die versekerde inkomstewaarde bereken?**  
LGO x SAFEX-prys x Hektare x Waarborsentasie.

- LGO soos goedgekeur deur IMPAC Cropsure.
- SAFEX-prys, gemiddeld van die laaste 20 verhandelingsdae vir einde Julie volgende jaar (Mielies) of einde Mei volgende jaar (Sojabone en Sonneblomme).
- Hektare volgens oesbeplanning.
- Maksimum waarborgpersentasie soos deur IMPAC Cropsure goedgekeur (Kliënt kan dit verlaag).

**Hoe word die berekening van skade gedoen?**  
Die kliënt moet IMPAC Cropsure 2 weke voor die stroopproses begin, in kennis stel. Bane sal gestroop word op alle lande om opbrengs te bepaal. Die inkomste van die totale boerdery-eenheid sal bereken word volgens die opbrengs (tonne) van die gestroopde bane en die SAFEX-prys (soos op laaste dag van strooptaksasie, gemiddeld van 20 verhandelingsdae terug).  
EIS - Indien die inkomstewaarde minder is as die waarborgwaarde.  
GEEN EIS - Indien die inkomstewaarde meer is as die waarborgwaarde.

**Hoe werk haeldekking op die inkomstewaarborg polis?**  
Haeldekking is ingesluit tot die waarborgpersentasie.

- Taksasies word gedoen sodra haelskade gerapporteer word, geen eisevergoeding vind egter volgens hierdie taksasie plaas nie.
- Skadebepaling word gedoen deur 'n strooptaksasie tydens strooptyd.
- Indien die gewaarborgde inkomste bereik is tydens oestyd, sal 'n eis op hael nie realiseer nie.

**Is alleenstaande haeldekking beskikbaar?**  
Ja, IMPAC Cropsure bied ook alleenstaande haelversekering.

**Wanneer is premies betaalbaar?**

- Mielies en Sonneblom voor of op 30 Junie.
- Sojabone voor of op 31 Mei.
- Indien premie voor 28 Februarie betaal word, sal 'n korting van toepassing wees.

**IMPAC Cropsure**

Vir meer inligting kontak u agent of IMPAC Cropsure. Tel: 012 010 0697 Epos: [info@impaccropsure.co.za](mailto:info@impaccropsure.co.za)

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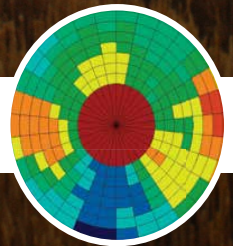
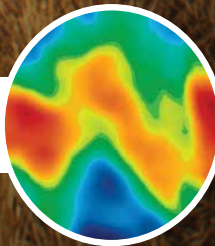
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<sup>1</sup>Elanco Animal Health. Data on file.

<sup>2</sup>Krabel BJ, Foust LB, Fuller GB, et al. Investigation of monensin Type A medicated article dissolution profiles in biorelevant media. J Vet Pharmacol Therap. 2020;00:1-9. <https://doi.org/10.1111/jvp.12927>

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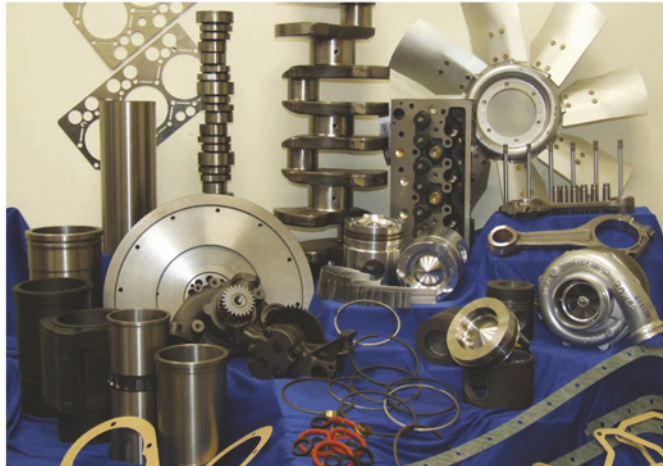
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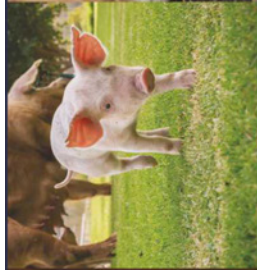
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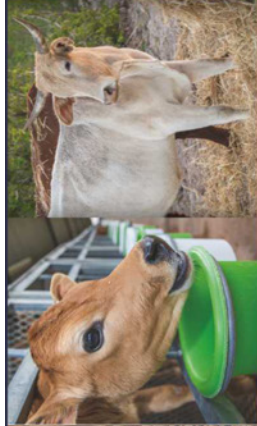
MS  
OS

### HPC

50  
Dairy  
Dry

### LICKS

Ryegrass  
Kikuyu



## CALF

### MAXICALF

16 · 18 · 21  
Complete

### FIBERMAX

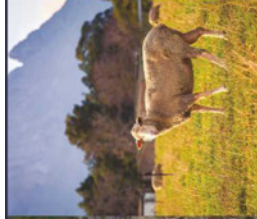
Calf

### CONCENTRATE

Finisher

### LICKS

Protein  
Production



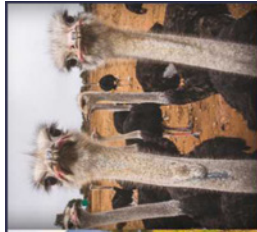
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### LICKS

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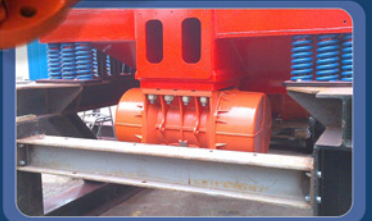
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The key centrepiece of OLI's business strategy is rapid stock delivery, any time, any place in the world. With its skilled competence and valuable knowledge of the industry, OLI is a credible expert when it comes to assistance in finding the most suitable solution to each individual customer's request.

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Our team at OLI SA thanks all our clients for their loyal support 2022.

A happy festive season to you all!

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# WE STAND FOR THE PROTECTION OF THE SUSTAINABLE USE OF FERTILIZER.

Fertasa strives to provide information on fertilizer and crop related topics. Apart from assistance with fertilizer applications, queries relating to fertilizer usage, plant nutrition and soil fertility usage, plant nutrition and soil fertility are referred to our Technical Advisers or Subject Matter Specialists for their expert opinions and advice.

Member companies and others are encouraged to share their experiences in proven techniques and novel approaches in ensuring social, environmental and economic sustainability for all.

## Structure of Fertasa

Fertasa is managed and directed by a Board of Directors who are elected by and representative of the ordinary members. The Board of Directors report to the Members which comprise representatives from all ordinary and affiliate members. The Members appoint operational committees to attend to various aspects of the business of Fertasa.

## Purpose

Fertasa is a recognised and preferred body aimed at promoting the image of the fertilizer industry through:

- Promoting the integrity of each Member and building preferential trust for their products and services.
- Enhancing and protecting the interest of its members through effective engagement with government and organised agriculture.

## Board of Directors

The Board of directors manages and directs the business and affairs of Fertasa. The Board comprises six (6) directors, and one (1) executive director (the Chief Executive Officer of Fertasa).

The directors are elected by the ordinary members with equal representation from both smaller and larger member companies.

## Core Functions

- Actively promote the agro-economic and environmentally accountable fertilizer, bio-fertilizer and aglime practices;
- Develop a positive public awareness and acceptance of the need for fertilizer, bio-fertilizer and aglime use in food production;
- Improve the operating environment within which its constituent industries operate in a spirit of free enterprise and fair trade;
- Assimilate, adds value to and disseminates fertilizer, bio-fertilizer and aglime related information;
- Provide a discussion forum for its members and other parties on all aspects relating to fertilizer, bio-fertilizer and aglime distribution, agronomic advice and product quality.

## Who are we?

- A code of conduct.
- A set of standards audited by an independent compliance management body.
- Quality products.
- Relevant scientifically-based recommendations.
- Continual learning and improvement.
- Complying with all legal requirements.

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