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EDITOR'S LETTER



It gives us great pleasure to present to you the August | September 2022 edition of the AGRIFOODSA Magazine.

In this 80-page edition we have on offer more than 87 advertisers spanning 50 categories.

Many of these advertisers were recently seen at Sakeliga KragDag 2022, of which AGRIFOODSA are proud media sponsors. The event took place between 11-13 August 2022 at the usual venue, the Diamantvallei Estate near Cullinan, and well over 26,000 guests attended. To learn more about what went down and what's to come, visit https://www.kragdag.co.za/.

Our cover featured advertiser for this edition is Reinke South Africa. Richard F. Reinke, founder of Reinke Manufacturing Co., Inc., was a pioneer in the irrigation industry. Many of his innovations he conceived have become standards for the industry throughout the world. Today, most mechanized irrigation systems incorporate many of the concepts, inventions and patents he introduced during his lifetime. So, the next time you see a centre pivot effortlessly moving around the field, you can thank Richard Reinke for that.

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Our AGRIFOODSA Newsletter, featuring our digital magazine, informative articles, exciting competitions and more, will be out soon. To sign up to our newsletter, contact info@agrifoodsa.info.

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

Lastly, our AGRIFOODSA.INFO website (www.agrifoodsa.info) is in the last phase of its complete redesign with selected users already able to use the new interphase. The new website features the most comprehensive directory, marketplace, news platform and online community to the South African agricultural and secondary industries. Find all of the biggest names nationally and all the best kept secrets locally, now available in one place. Announcements and exciting offers on all of our socials

Keep well,



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Reinke SA : See pages 24 & 76 for more



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he Council regulates the occupations of fresh produce, export and livestock agents and maintain and enhance the status and dignity of those occupations and the integrity of persons practicing those occupations, according to Section 9, Agricultural Produce Agents Act, 12 of 1992



WHAT WE DO?

Fresh Produce Agents

is not predetermined but discovered in terms of Who acts on behalf of a principal, by selling the principal's produce to buyers such as hawkers, wholesalers and retailers. Most agents operate on fresh produce markets. Prices of fresh produce he supply and demand principle



Livestock Agents

ivestock agents act on behalf of a principal and their income is based on commission or a Section 16 (1)(b) of the APA Act indicates that ee, paid by the producer for services rendered no person shall perform any act as a livestock agent unless he or she is registered with APAC

services rendered. Section 16 (1)(a) of the APA Act indicates Export agents act on behalf of producers and their income

is based on commission or a fee, paid by the producer for

Export Agents

that no person shall perform any act as an export agent unless he or she is registered with APAC. Export agents can voluntarily

register with the Fresh Produce Exporters Forum (FPEF).



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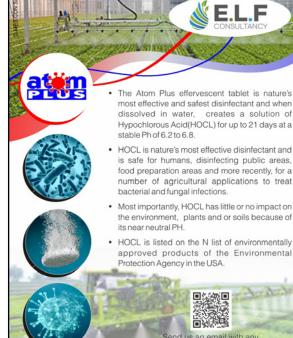


















MISDAADVOORKOMING EN PLAASBESTUUR OP DIE PLATTELAND DEUR GEVORDERDE TEGNOLOGIE EN GEMEENSKAPSONTWIKKELING

DEEL 2

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

- Inleiding tot aspekte van tegnologie om plaasbestuur en -
- Skrywe 3:
 - Gevorderde videotegnologie wat 'n groot impak kan maak
- Skrywe 4:
 Ontplooiing van videotegnologie vir uiters effektiewe plaasbestuur.
- - toepassings vir effek-tiewe plaasbestuur is dus van
- Skrywe 6:
 - Die belangrike voorlegging van inligting en die operasionele belangrikheid van videomonitering deur beheer-kamerstelsels.
- Skrywe 7:
 Opsomming van die kernaspekte van die vorige skrywes en die belangrikheid van gemeenskapsdeelname.



INLEIDING

Effektiewe plaas- en sekuriteitsbestuur vir boere en gemeenskappe is van uiterste belang. Dit is veral as gevolg van die geweldige styging in insetkoste, algemene sekuriteit en die effektiewe beperking tot diefstal van vee en agri-produkte soos graan, groente en vrugte wat die hoogte inskiet.

Indien gemeenskappe aanhou doen wat in die verlede gedoen is, sal dieselfde probleme herhaaldelik voorkom en drasties vererger. Voorkomende maatreëls en stelsels om proaktief en reaktief te kan optree is uiteraard van besondere belang. Dit raak dringend nodig vir die gemeenskappe om hande te vat en belangrike stappe te neem met die implementering van die nodige stelsels.

Die impak van tegnologie

Die korrekte en effektiewe aanwending van tegnologie op verskeie vlakke sal 'n baie groot inpak kan maak op plaasbestuur, sekuriteit en diefstalvoorkoming, asook die algemene bestuur en beheer van die plaas.

Die regte aanwending van tegnologie kan amper alle aspekte aanspreek rakende plaasbestuur. Dit sluit in wateren energiebestuur; grondvog en grondanalisering; bestuur van werkers, asook videotoesig oor alle plaasaktiwiteite.

Seker die beste tegnologie wat gebruik kan word vir vee- en ander diefstal, is om gebruik te maak van direkte videokamera-tegnologie met direkte beeldstroming wat deur effektiewe beheerkamermonitering gedoen word.

Videotoesig

Enige dief of ander skelms, selfs werkers, word ernstig afgeskrik indien hulle weet hulle word dopgehou met videokameras wat permanent gemonitor word, Dit is oor en oor bewys dat videokameras en die monitering daarvan 'n groot impak het op die drastiese verlaging in diefstal en 'n groot verbetering in menslike veiligheid.

Die aktiewe gemoniteerde videostelsels het 'n groot invloed op die voorkoming van kriminele bedrywighede en arrestasies van misdadigers. Alle verdagte voertuie wat gesteel of by gewapende rowe betrokke was by enige plek in die land, sal dadelik herken word. Alarm sal dadelik gemaak word indien so 'n voertuig 'n spesifieke gemeenskap inbeweeg. Gemeenskappe self kan ook verdagte voertuie op die stelsel registreer. Indien so 'n voertuig by enige kamera verbybeweeg word 'n dringende alarm gemaak waarop die gemeenskap dadelik kan reageer.

Mense met honde, perde en verdagte vee wat by kameras verbybeweeg, asook enige ander moontlike verdagte situasies wat op die kameras in die beheerkamer raakgesien word, word dadelik aan die gemeenskap bekendaestel.

Oorhoofse videotoesigtegnologie.

Daar is hoofsaaklik ses aspekte wat 'n videokamerastelsel suksesvol maak.

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- 'n Volledige ondersoek op die perseel of plase.
- h Volledige tabel en ingenieursontwerpe, met koste ingesluit
- Kameras van hoogstaande gehalte. Die aankoopprys word gou vergeet sodra die stelsel uitstekend werk. Goedkoop koop is duur koop.
- SDE maak nooit gebruik van selfoonnetwerke om die kamera-inligting na beheerkamers toe te stuur nie. 'n Volledige mikrogolfnetwerk word ontwerp en geïmplementeer om seker te maak die data- en videostroming is veilig en betroubaar.
- Geen stelsel is effektief indien dit nie 24/7 gemonitor word nie. Die implementering van betroubare toerusting in die beheerkamer en goed opgeleide personeel sal verseker dat 'n betroubare pro- en reaktiewe monitering gedoen word.
- h Aktiewe en goed opgeleide gemeenskapsgroep om vinnig op te tree wanneer gevalle gerapporteer word.

Die vinnige saamgooi van videotoesigstelsels wat êrens deur 'n familielid gedoen word om koste te spaar, het herhaaldelik bewys dat baie aspekte wat 'n professionele moniteringbeheerkamer kan bied baie meer akkuraat, proaktief en reaktief is.



Betroubare diensverskaffers.

Dit is hier waar baie stelsels faal en nie betroubaar is nie. SDE

is al verskeie kere deur boeregemeenskappe versoek om reeds geïnstalleerde stelsels wat nie werk nie as gevolg van swak ontwerp en swak ontplooiing, te herstel tot 'n baie betroubare vlak. En dit natuurlik met onnodige addisionele koste

- Die aankoopprys moet nie die enigste dryfveer wees vir besluitneming om sulke belangrike stelsels te installeer nie.
- Daar word voortdurend bevind dat boerderygemeenskappe huiwerig is om nuwe en gevorderde tegnologie te gebruik. Daar is verskeie redes hiervoor: van gemeenskappe wat nie vertroud is met tegnologie nie en daarvan wil wegbly, tot die gebrek aan vertroue dat tegnologie nie betroubaar is nie.
- Dit is hier waar dit baie belangrik is om betroubare diensverskaffers te gebruik wat stelsels en toerusting van hoogstaande gehalte installeer. Daar word gereeld gesien dat onkoste meestal die enigste dryfveer is vir besluitneming oor aankope en installering van hierdie stelsels. Dit is belangrik om te weet dat hierdie tegnologiese stelsels soos 'n ketting is met heelwat skakels. As een van die skakels nie reg ontwerp of uitgevoer is nie, beïnvloed dit die betroubare werking van die hele stelsel.
- Dit is dus van groot belang om professionele diensverskaffers met professionele ingenieurs in diens te hê. Suksesvolle werkende stelsels gebeur nie deur net 'n klomp verskillende tegnologiese boublokke bymekaar te gooi nie. Elke stelsel het unieke uitdagings. Die inspeksie, gedetailleerde ontwerp en -voorstel is van kardinale belang voordat 'n stelsel geïnstalleer word. Dit kan nie net lukraak gedoen word nie.

SDE is só n maatskappy wat gebruik maak van professionele persone wat jare se ondervinding het in hierdie veld. SDE kan op enige stadium gekontak word vir meer inligting.

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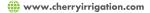


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- Alles word op een toepassing gedoen.
- Werk op sonkrag as die krag afgaan.

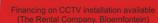












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Carrus Fleet Management Services





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 on brandstofverbruik baie akkuraat te kontroleer. Hierdie akkurate en tydige inligting is ook onmiddelik beskikbaar op jou selfoon en rekenaar.

Die inligting word gestoor by Carrus Fuel Sense se Risikobeheerkamer. Deur hierdie inligting sigbaar te maak, word brandtofverbruik 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 brandstofkostes drasties te verminder.

KENIMEDIKE

- Die hele brandstofsisteem is gesluit en word slegs ontsluit deur gemagdigte tags.
- Brandstoftenkvlakke word deurtentyd elektroniese gemoniteer wat jou in staat stel om dieselaflewerings 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.

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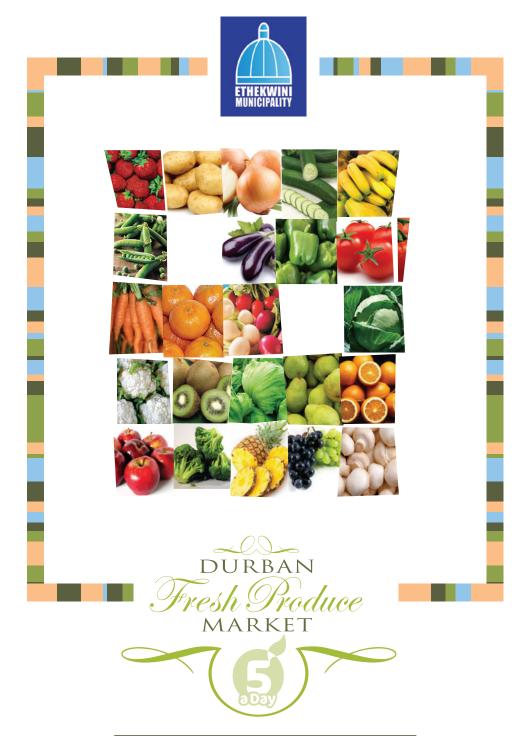






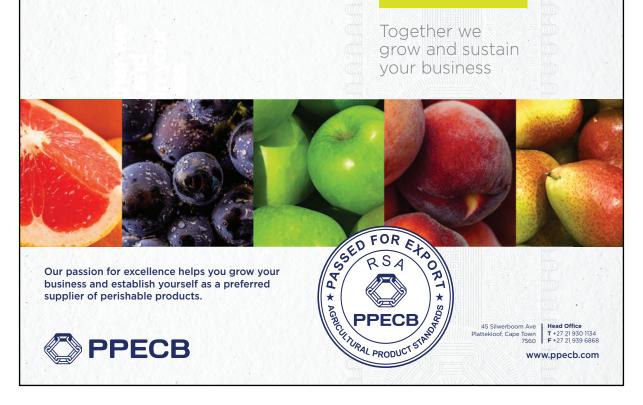


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'n "Verskuifbare Lam Afrondings Kraal" is n 6m x 4.5m x 1.5m hoë struktuur met 300mm x 100mm wiele. Dit is verskuifbaar grootliks vir higiëniese doeleindes, maar ook sodat indien dit op weiding geplaas word, dit oorbeweiding voorkom.

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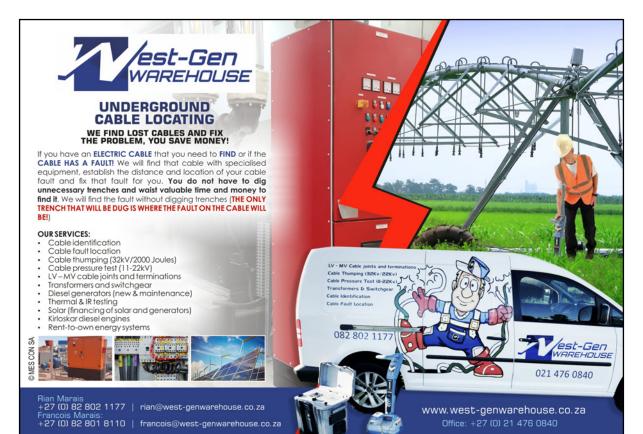


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Arabel BJ, Foust LB, Fuller GB, et al. Investigation of monensin Type A medicated article dissolution profiles in biorelevant media.

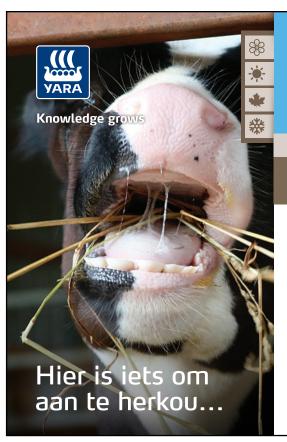
J Vet Pharmacol Therap. 2020;00:1–9. https://doi.org/10.1111/jvp.12927

Rumensin 200 Registration number: G1818 (Act 36/1947). Composition: Monensin sodium 200 g/kg Elaron Animal Health, A Division of Eli Lilly (3A) (Pty) Limited, Reg. No: 1957/000371/07, N1 Business Park, Old Pretoria Road, Private Bag X119, Bryanston, 2021, Tel: +27 12 657 6200, Fax: +27 12 657 6216

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All tanks higher than 2.4m must be placed on a concrete ring beam to prevent wind damage while the tank is empty.

The tank has an optional engineer designed PVC roof option as well. All this aimed at making the Express tank the easiest and most cost effective high quality water storage solutions available to all farmers.



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81 KI	5,98mØ X 3,20m *	49c
96 KI	9,72mØ X 1,60m	39c
156 KI	9,72mØ X 2,40m	37c
215 KI	9,72mØ X 3,20m *	39c
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* Ring beam prerequisite

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The smart tank is a complete custom-built water storage tank according to your specifications. Adapt the tank shell, roof sheets, colour and resistance to wind speeds against extreme weather conditions and ship it to anywhere in the world. Multiple options even bigger & better.

Advangtages

- Thanks to its corrugated shell and the zincalume coating, the Smart Tank is very durable for inland and coastal conditions.
- Using the latest geomembrane technology, we make sure that the liquid stored inside is not contaminated: the tank is lined with a certified potable liner suitable for human and animal consumption.
- The Smart Tank can be produced in optional polymer coated colors that can blend into the environment.
- The Smart Tank is designed to withstand windspeeds, thunderstorms and earthquakes.
- Having a modular design, the Smart Tank can be shipped anywhere in the world and erected on-site very easily.

Exceptional quality

The Smart Tank is designed to stand up to aggressive wind loads in specific regions where hurricanes, high winds and thunderstorms occur regularly. The tank shell can be adapted to your specific needs, we can adapt the wall sheet thickness, roof sheeting and truss design for an even more durable structure when nature comes thundering down.

The steel panels of the tank are coated with a zinc layer on both sides. The corrugated steel sheet is continuously hot dipped in a formulation of Aluminum (55%), Zinc (43.5%) and Silicon (1.5%). The aluminum components of the coating provide a tough physical barrier between the extreme atmospheric conditions and the inner core steel.

Zinc has inherent sacrificial properties and corrodes first before the mild steel corrodes. A lightweight zincalume roof designed to withstand wind speeds of up to 55m/second can cover tanks. Roofs are fitted with a hatch, internal and external ladder for easy access inside the tank. Tanks can also be sealed with felt to avoid insect and dust contamination.

Key Features

- Designed to the highest South African standards
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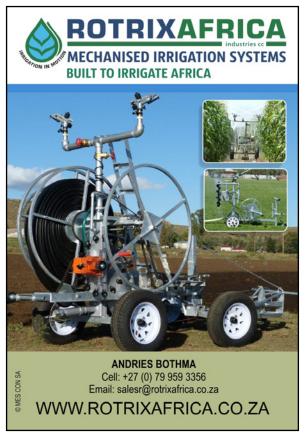
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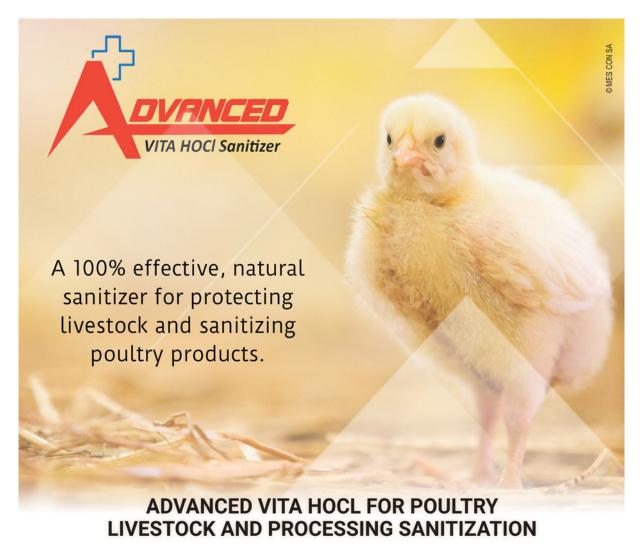


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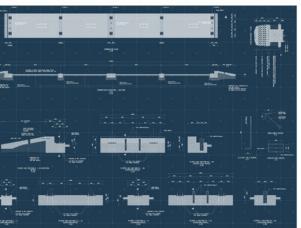
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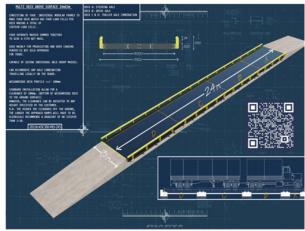
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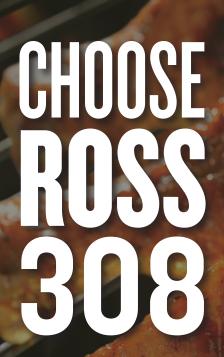






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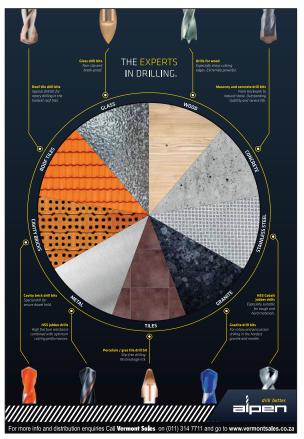
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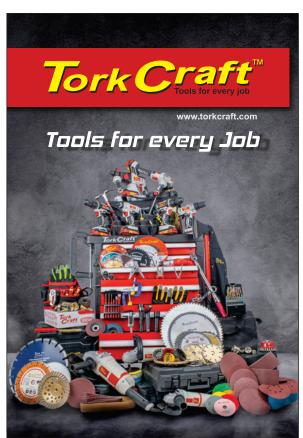
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husks and the germ. The product goes through the aspirator where the husks and the germs are separated from the samp. The samp must be collected in a separate collecting bin/bag. (not supplied)

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

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Rotor speed High Speed Slow Speed	3400 rpm 725 rpm	All in One Straight run Super maize mea
Motor speed kW Required HP Required	1450 rpm 11kW / 15KW 20 HP	Samp
Screen Size	1500 x 130 mm	
Hammer mill size	246 x 175 x 146 cm	
Maize—Slow speed Mill 6/8mm Screen	150-200 kg/h	www.drotsky.co.za
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PRICES INCLUDE: Zinc

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We invest in highly qualified personnel and the best available instrumentation and laboratory equipment.

We are the only pesticide residue testing laboratory in South Africa that uses state of the art high resolution equipment that is in line with the top European laboratories.

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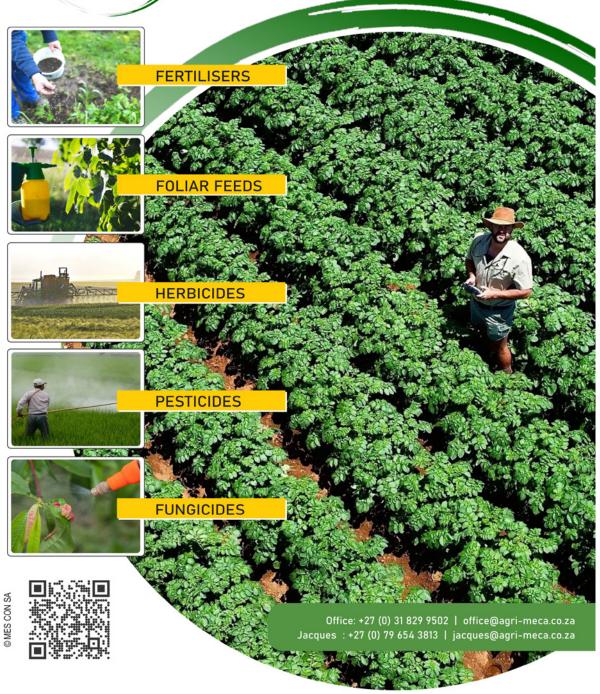
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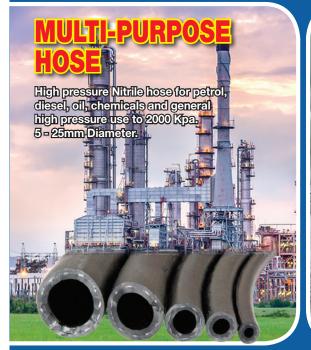


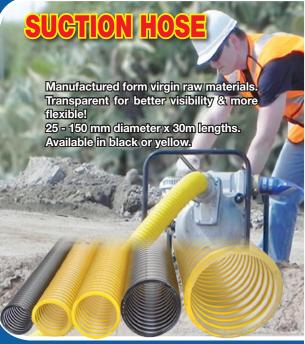
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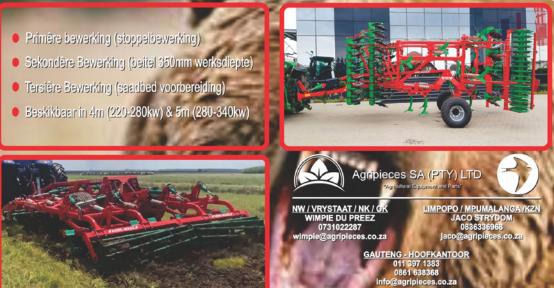




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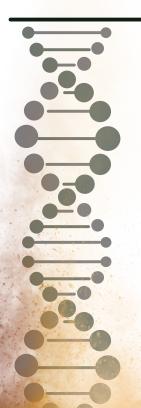


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Boor(B)...2g/Kg, Magnesium (Mg)...1g/kg

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

B4683

'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

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

Ca...230g/kg



COMPLEX CALSUS

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ULTRAFYN KALK -TOEKOMS VAN LANDBOU-

Ultrafyn kalk bied gemak van toediening, maar lewer ook uitstaande prestasie. Aanwending van ultrafyn kalk in suspensie gee die beheer wat nodig is vir eenvormige toediening sonder die stof. Prestasie is ook betere agv partikel grootte van tussen 5 en 15 mikron. Hierdie verbeterde tegnologie bring mee reaktiwiteit en reaksie tempo, met die ultrufyn partikels wat tussen die groter grond deeltjies kan inbeweeg. Die deeltjies kan so diep as 15cm in die grond beweeg waar die Ph, Ca:Mg verhoudings verbeter word, met verbeterde mikrobiese aktiwiteit en voedingstof beskikbaarheid.

Wanner om toe te dien?

Kalk word hoofsaaklik vir grond regstelling toegedien terwyl plante floreer op reggestelde grond. As gevolg van die verhoogde reaktiwiteit van Ultrafyn kalk kan dit enigetyd voor plant en selfs na plant toegedien word. Ultrafyn kalk kan selfs duer middel van besproeiings stelsels toegedien word, kleiner applikasies kan nou gedurende die groeiseisoen toegedien word indien nodig.

Hoe lank neem dit vir Ultrafyn kalk om te werk?

Reaktiwiteit van kalk hang af van die tipe kalk, verskillende kalk bronne verskil in KKE (Kalsiumkarbonaatekwivalent) en of Mafnesium inhoud. Die fynheid van die kalk sal ook die reaktiwiteit beiinvloed. Dus hoe vyner en hoër die KKE van die kalk brons is hoe vinniger en meer effektief die reakie in die grond.

World Focus Agri se ultrafyn kalk en gips is so fyn dat dit in suspensie toegedien moet word en omdat kalk water nodig het om in grond te reageer begin die reaksie onmiddelik nadat dit op die grond toegedien is.

Hoe dikwels is bekalking nodig?

Die antwoord op hierdie vraag hang af van 'n verskeidenheid oorwegings.

'n Grond met lae KUK(Katioon Uitruil Kapasiteit) reageer op relatief min kalk, met meer gereelde toedienings in kleiner inkremente

Grond met 'n hoë KUK (Katioon Uitruil Kapsiteit) benodig groter hoeveelhede van kalk en dit mag verskeie jare neem voordat bekalking weer benodig word. Kleiner hoeveelhede kan nou meer gereeld toegedien word.

In die algemeen kan Ultrafyn kalk/Gips as deel van die jaarlikse bemestings program gedoen word.By rygewasse kan Ultrafyn Kalk/Gips ook in die kunsmisband toe gedien word vir neutralisering van dersuring wat onststaan deur die oksidasie van gereduseerde N-kunsmis wat toegedien is.

VOORDELE:

- · Gemak van toediening
- Hoër reaktiwitiet
- Vertikale beweging in grond
- Minder vervoer kostes
- Meer eenvormige toediening

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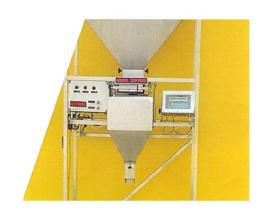
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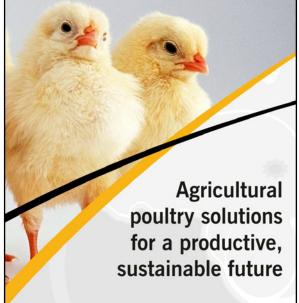
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Agri Frequencies se gevorderde stelsel is aanpasbaar vir mutasies en variasies binne spesies.

Kwantumkoppeling word gebruik om die frekwensies onmiddellik op enige oppervlakkte in die wêreld te plaas en is meetbaar.

Frekwensiebehandeling is baie meer doeltreffend as chemise behandeling teen 'n fraksie van die koste. Chemkalieë raak ook minder doeltreffend omdat die insekte weerstand opbou.

Om die beste resultate te behaal?

Wanneer jy AgriFrequencies se oesbeskermingspakket neem is dit belangrik om akkurate inligting oor die insekte wat pla deur te stuur, sodat die regte frekensies teruggestuur kan word.

Gereelde foto's moet geneem en deurgstuur word en kleiner insekte of swamme kan deur middel van 'n mikroskoop waargeneem word. Ons maak dit maklik deur 'n laekoste mikroskoop beskikbaar te stel wat jy aan jou rekenaar koppel om die beeld vas te lê en deur gestuur kan word.

Kristaltegnologie kan ingespan word vir 'n baie wye reeks toepassings nl:

- Beheer virusse, bakterieë, swamme, plant- en dieresiektes:
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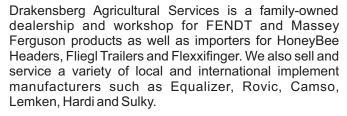


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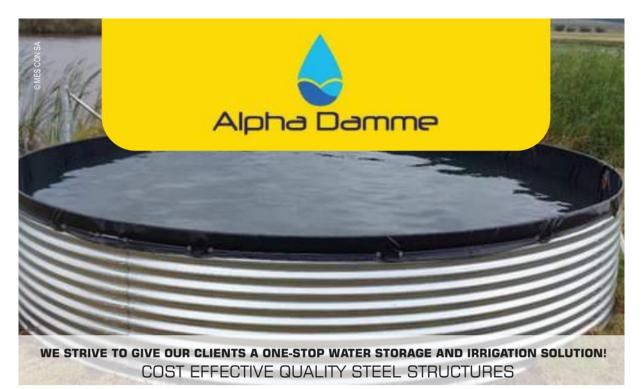
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- Potable water tanks
- Zinc dams
- · Linings for concrete zinc dams
- · Firefighting water storage
- Agricultural tanks
- Pivot irrigation
- · Earth dam liners

We manufacture any size of zinc dams or linings on request.

Our liners are suitable for potable water tanks, a wide range of chemicals and liquid fertilisers.

We deliver nationwide, as well as to neighbouring countries.

OUR SPECIALITIES

Superior quality and flexible linings for all types of dams

Prevention of algae growth

Construction of corrugated and mesh wire dams

ZINC DAMS WATER TANKS PLACE ORDERS TODAY!

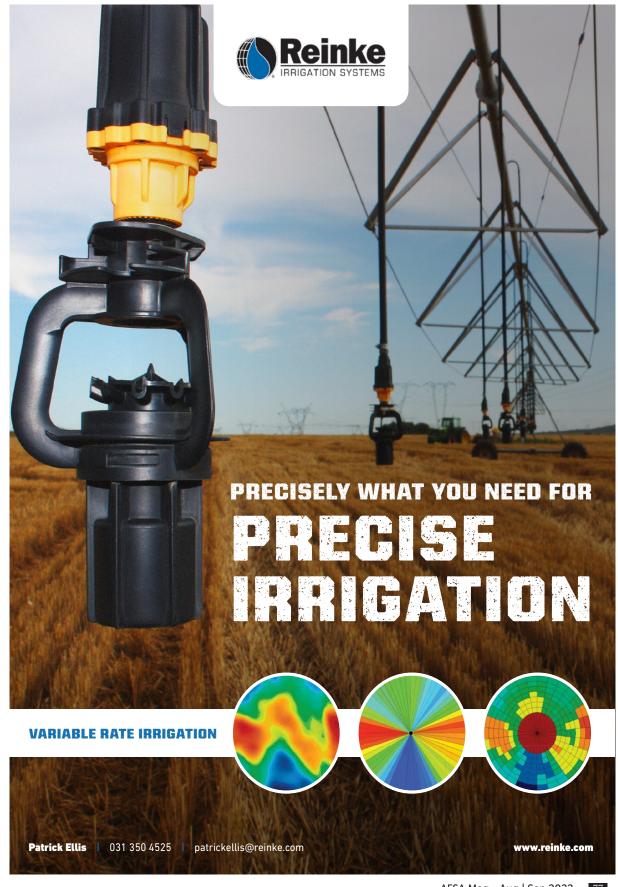
Alpha Damme provides a 10 year warranty against faulty material and/or workmanship on all products.







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FERTASA, CERTIFIED • CREDIBILITY.

FERTASA Fertilizer Association of Southern Africa Tel: +27 (0) 12 349 1450 Email: general@fertasa.co.za

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.





Fertasa and its members are committed to the promotion of sustainable soil fertility and enhanced plant nutrition.





The timber for our treatment plants are sourced from TWK's own sustainable plantations.

Our treatment facilities meet the South African National Standards SANS 457, SANS 754, SANS 1288.

We pride ourselves on producing Quality H4 and H5 products. On Time. In Full.

Our CCA and Creosote product range include:

- · Building and fencing
- Agricultural netting
- Transmission
- Vineyard
- Orchard

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