

# AGRIFOODSA MAG

FREE SUPPLIERS GUIDE

FEB - MAR 2023  
Vol 7 • No 5



**PPECB**



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MEET

## CHRISTOFFEL SWANEPOEL

The Head of Operations Transforming Agriculture with IntroLab's Tailor-Made Solutions

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"I believe that agriculture is the backbone of South Africa. It is important for me to be part the solutions and efforts to strengthen the agricultural community. IntroLab has given me the opportunity to apply my knowledge and to have a meaningful impact on this community."

Christoffel, Head of Operations at IntroLab, has always had a deep connection to agriculture. Growing up on a livestock farm in the Southern Free State instilled in him the importance of this industry and its impact on society. He went on to study a masters in chemical engineering at Stellenbosch University, located in the heart of the Winelands, where he was further reminded of agriculture's complexity. Today, Christoffel is based in Wellington, surrounded by a diverse agricultural community.

Christoffel started his career at IntroLab as a researcher and designer and played a key role in the development of the company's extraction processes and plant design. In his current role, he oversees all operational aspects of the business. He attributes IntroLab's success to his team, whom he enjoys working with to tackle challenges and find solutions.

As a "one-stop-shop" supply chain team, the goal at IntroLab is to continuously improve processes, lead times, quality, and costs to produce the best products possible. They embrace creativity and technology to overcome daily challenges. IntroLab aims to revolutionise the industry with its innovative solutions and custom approach to each client's specific needs. The company is committed to making farming more profitable for farmers and providing the support they need to overcome the challenges they face. In a rapidly changing world, IntroLab recognises the importance of adapting to social and environmental changes.

Christoffel believes that everyone has the power to make a meaningful impact on the world, and IntroLab has the leadership and capacity to provide sustained outcomes and results on a global scale. Outside of work, Christoffel enjoys spending time in the Free State and visiting game reserves and national parks in Southern Africa. He is an avid sports fan and loves spending weekends with friends and family, either around a fire or in nature. He lives in the Boland with his wife and their two chocolate Labradors.

12 Oudepont Street, Wellington Industrial, Wellington, South Africa, 7655 | T +27 21 864 2145/6 | E [info@introlab.co.za](mailto:info@introlab.co.za)



# EXPERTS IN WATER AND ENVIRONMENTAL LICENSING AND AUTHORISATIONS

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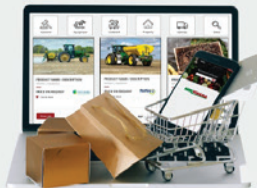
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**MABEL SCHMAHL**  
Chief Executive Officer  
+27 (0) 82 563 4427  
[mabel@agrifoodsa.info](mailto:mabel@agrifoodsa.info)

**LOUIS DE BRUIN**  
Advertising Manager  
+27 (0) 82 060 2398  
[louis@agrifoodsa.info](mailto:louis@agrifoodsa.info)

**NICOLE MULLER**  
Advertising Executive  
+27 (0) 84 735 6573  
[nicole@agrifoodsa.info](mailto:nicole@agrifoodsa.info)





Hello dear readers and thank you for grabbing the February | March 2023 edition of the AGRIFOODSA Magazine.

As AFSA Mag enters its 5th year of publication and in a media landscape vastly changed even in just the last decade, the opportunities to present and enrich the agriculture and food industries are boundless. With our expanding platforms, we aim to be a vital resource for everyone in the trades, from leaders to those new to it.

Speaking of leaders of their trade, the cover featured advertiser for this issue is The Perishable Products Export Control Board (PPECB). PPECB is an independent service provider of quality certification and cold chain management services for producers and exporters of perishable food products. Established in 1926, the PPECB has delivered valuable services to the perishable products industry for over 90 years by enhancing the credibility of the South African export certificate and supporting the export competitiveness of South Africa's perishable product industries. As a national public entity, the PPECB is constituted and mandated in terms of the Perishable Products Export Control Act (PPEC Act), No 9, of 1983 to perform cold chain services.

The PPECB also delivers inspection and food safety services assigned by the Department of Agriculture, Forestry and Fisheries (DAFF) under the APS Act, No.119 of 1990. The presence of the PPECB in the export industry is furthermore enhanced by its recognition as an approved third country under the European Commission Regulation 543 of 2011. This agreement recognises the South African inspection systems as equivalent to that of the EU inspection bodies and therefore ensures less frequent checks at the port of import into the EU. To find out more about their products and services, check out page 64 or go to [www.ppecb.com](http://www.ppecb.com).

Apart from the magazine, be sure to have a look at our offerings on the AGRIFOODSA.INFO website ([www.agrifoodsa.info](http://www.agrifoodsa.info)), our bi-monthly newsletter and find us on all major social media platforms.

In closing, we'd like to thank all of our loyal and new customers for their support of AGRIFOODSA, and a special mention to the lovely people of Cape Town for warmly welcoming our marketing team to the Mother City during their recent roadshow.

Warmest regards,

*Chantell de Bruin*

EDITOR IN CHIEF  
@chantellschmahl

## EDITORIAL COMMITTEE

Editor in chief : Chantell de Bruin  
 Managing director : Mabel Schmahl  
 Production manager : Ronel Schmahl  
 Content manager : Aby Maclellan  
 Administrative assistant : Robin Smith

## ACCOUNTS

Mariaan Kruger : +27 (0) 72 623 8073  
[accounts@agrifoodsa.info](mailto:accounts@agrifoodsa.info)

## ADVERTISING & RATES

Louis de Bruin : +27 (0) 82 060 2398  
[louis@agrifoodsa.info](mailto:louis@agrifoodsa.info)

Mabel Schmahl : +27 (0) 82 563 4427  
[mabel@agrifoodsa.info](mailto:mabel@agrifoodsa.info)

Nicole Muller : +27 (0) 84 735 6573  
[nicole@agrifoodsa.info](mailto:nicole@agrifoodsa.info)

## COVER PHOTO

PPECB : See page 37 for more



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## IN GOEIE HANDE ...

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By AECI Plant Health kan jy gemoedsrus hê dat jou gewasadviseur hierdie pad saam met jou stap. Jou adviseur is 'n vennoot op jou plaas wat tegniese ondersteuning en vinnige toegang tot die regte produkte bied om sodoende jou risiko's te verminder en jou help om meer produktief en winsgewendheid te boer.

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Send us an email with any of your questions or queries

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## MISDAADVOORKOMING EN PLAAS-BESTUUR OP DIE PLATTELAND DEUR GEVORDERDE TEGNOLOGIE EN GEMEENSKAPSONTWIKKELING

### DEEL 5

**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 h 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 effek-tiewe 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 artikels in die reeks het as inleiding gedien, hoofsaaklik oor die belangrikheid van en die tegnologie benodig vir videomonitoring op plase asook vir padkameras vir onder andere sekuriteit en veediefstal.

Hierdie artikel verbreed die toepassing van tegnologie vir die boer waar tegnologie amper in elke denkbare faset van boerdery gebruik kan word om verdere waarde te ontsluit wat effektiwiteit en winsmarges betref.

#### DIE TEGNOLOGIE EN DIE BOER

In die daaglikse omgang in die boerderybedryf word gevind dat die aanwending van gevorderde tegnologie vir monitoring en bestuur van baie aspekte op h plaas nog redelik weerstand kry. Die gebruik van gevorderde tegnologie word steeds redelik skepties benader tot nadeel van effektiwiteit en winsgewendheid.

#### VORDERING IN TEGNOLOGIE

Wêreldwyd staan 2023 in die middel van 'n tegnologieontploffing op alle gebiede. Die geweldige vordering van tegnologie oor die laaste tien tot twintig jaar is werklik net die begin van 'n verdere geweldige tegnologieontploffing. Die wêreld sit aan die begin van 'n logaritmiese kurwe van tegnologieontwikkeling. As professionele ingenieur met 41 jaar ondervinding, intensiewe boer- en besigheidsentrepreneur kan ek dit met oorgawe bevestig.

Hierdie huidige en toekomstige tegnologievordering sluit verseker die boerderysektor in h breë aanwendingsveld in.

#### METINGSASPEK IN BOERDERYBESTUUR

Daar is h ou begrip van: "Jy kan net werklik akkuraat bestuur op dit wat jy akkuraat meet". Die gemete data moet dan verder verwerk word na bestuursinligting soos byvoorbeeld:

- Videomonitoring gekoppel met proaktiewe en reaktiewe bestuur van vee, gewasse, saad, en kunsmis;



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in hierdie geval gefokus op diefstalvoorkoming en visuele plaasbestuur. Hierdie aspek is reeds in detail in vorige artikels bespreek.

- Voorafwaarskuwing vir die moontlike breek, verwerking en skade aan toerusting.
- Weer- en vogtendense oor die plaas heen, gekoppel aan gewasbehoefte.
- Watter verbruikerstendense gefokus kan word op verskeie of alle gedeeltes van die plaas.
- Energieverbruikstendense en terugvoermeting indien effektiewe energiebestuur toegepas word.
- Die ontwerp, implementering, meting en bestuur van 'n alternatiewe energiestelsel wat 'n geweldige impak kan maak op effektiwiteit en beperking van verliese as gevolg van onbetroubare energievoorskaffing.
- Veemonitering en -bestuur deur gebruik te maak van verskeie stelsels soos weegstelsels, videostelsels, veebeweging en veegesondheid.
- Intensiewe monitering en bestuur van brandstof. Dit sluit in diefstalmonitering, asook die effektiewe brandstofverbruik van elke stuk toerusting wat brandstof verbruik.
- Die monitering en bestuur van plaaswerf of werwe en stoorareas. Diefstalvoorkoming is een belangrike aspek, maar die visuele monitering van baie ander aspekte tot alle areas kan nie agterweë gelaat word nie.
- Effektiewe monitering en -bestuur van plaaswerkers. Dit is onnodig om te noem dat plaaswerkerseffektiwiteit en onsinnige dade tot geweldige verliese kan lei. Dit is dus 'n baie belangrike aspek tot die beperking van verliese, en kostebesparend.



Bogenoemde is net 'n paar voorbeelde en aspekte wat demonstree hoe belangrik aktiewe en effektiewe monitering is. Moniteer, moniteer en moniteer! En monitering met goeie verslagdoening is van kritiese belang vir die vooruitgang en verbetering in winsgewendheid.

## OTOMATISERING

Automatisering van plase is 'n verdere belangrike uitbreiding tot winsgewende verbetering.

Automatisering kan egter nie losstaande gebeur sonder bogenoemde belangrike moniteringaspekte nie. Die belangrike sirkel van:

- Monitering en meet.
- Beplanning en ontwerp vir verbetering.
- Implementering van outomatisering.
- Dan weer monitering en meet.

Hierdie sirkel is 'n proses wat nooit ophou indien voortdurende verbetering van effektiwiteit en veral winsgewendheid tot die maksimum bestuur moet word nie.

Automatisering is amper soos meganisering. Outomatisering vind plaas waar 'n proses van watter aard ook al per hand gedoen word en dan deur tegnologie oorgeneem word wat baie voordele soos beperking van verliese, besparing van handarbeid, vinniger reaksie, en die besparing van skaars hulpbronne te weeg kan bring.

Outomatisering kan wyd op alle plase, wat 'n groot aanwendingsveld het, geïmplementeer word. Dit sal natuurlik baie van plaas tot plaas verskil.

Dit is tog belangrik om die vorige artikels saam met hierdie een te bestudeer. Baie detail en inligting is ook daarin vervat.

SDE is 'n maatskappy wat gebruik maak van uiters professionele personeel met ervare ingenieurs, professionele boere en implementeerders met baie jare se ondervinding. SDE kan op enige stadium gekontak word vir meer inligting en bystand.

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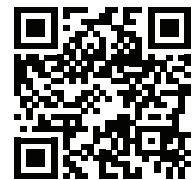
*Ca...230g/kg*

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1. Callender ME and Jeffers TK (1980). Anticoccidial Combinations Comprising Nicarbazin and the Polyether Antibiotics. US Patent 4,218,438, pp1-12.  
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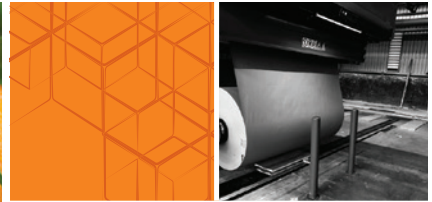
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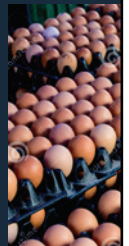
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Ons het vroeg reeds 'n samewerkingsooreenkoms met Sanovo (Staalkat) bereik en n jaar later is die Suider Afrikaanse agentskap aan ons toegeken.

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## THE IMPORTANCE OF THE AGRICULTURAL PRODUCE AGENTS COUNCIL, OR APAC FOR THE FRESH PRODUCE AGENTS

By Francois Knowles  
Registrar, Agricultural Products Agents Board

The Agricultural Produce Agents Council (APAC) regulates amongst other things, the activities of fresh produce agents. The APAC mandate, the Agricultural Produce Agents Act, Act 12 of 1992 purports that a “fresh produce agent” (agency) and an “agent” (salesperson) may only operate on behalf of a farmer if he or she is the holder of a fidelity fund certificate (trading licence).



All prospective salespersons are subjected to a comprehensive process of scrutiny that includes vetting, financial suitability and identifying possible prior criminal convictions. If an applicant is then found to be acceptable, he or she must undergo and complete the APAC online training course specifically designed for prospective fresh produce agents.

After successful completion the salesperson, upon registration, is empowered with the knowledge and right skillset to deal with farmers and to sell their produce within the parameters of the Act and the Rules in Respect of Fresh Produce Agents. APAC through this process protects what matters most, the financial interest of the farmer.



Should a salesperson then contravene this trust relationship (via theft or fraud), an investigation will be launched by APAC to determine possible improper conduct. Improper conduct is the frontrunner to convening an independent disciplinary tribunal where fresh produce agents are charged and brought to book. The tribunal's decision is binding and can lead to hefty fines and/or the dismissal of an agent, if the improper conduct is

regarded as serious.

APAC recently took disciplinary steps against three fresh produce market agencies and their directors who were involved in gross mismanagement of farmers monies. These agencies were all found guilty, deregistered and have subsequently ceased to exist. The salespersons who were involved at these agencies may also no longer trade if not in possession of a re-issued fidelity fund certificate. Farmers who did business with these agencies who incurred losses were all compensated from the APAC Fidelity Fund and all claims have been finalised and settled.

APAC strongly advises all farmers and specifically new farmers to ensure that they only do business with registered and lawful fresh produce agents. In doing so they are assured of the protection of APAC and most importantly the Fidelity Fund will guarantee losses that may occur if an agent is involved in any improper conduct.



Francois Knowles  
Registrar, Agricultural Products Agents Board

Information about registered agencies and agents is readily available on the APAC Website.

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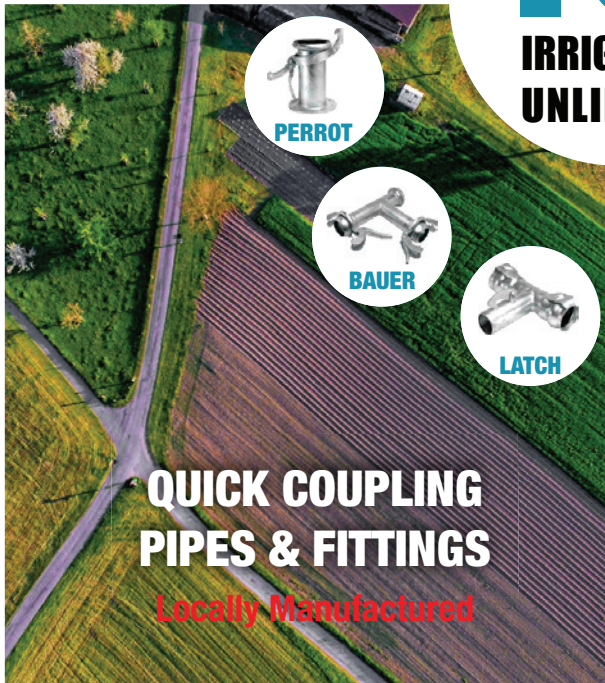
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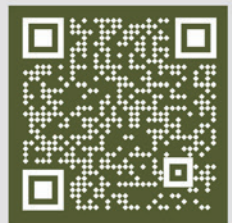
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Die inligting word gestuur by Carrus Fuel Sense se Risikobeheerkamer. Deur hierdie inligting sigbaar te maak, word brandstofverbruik per uur en/of kilometer akkuraat gemeet en daar word noukeurig rekord gehou oor tyd, wat jou in staat stel om te fokus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

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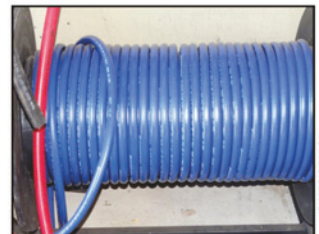
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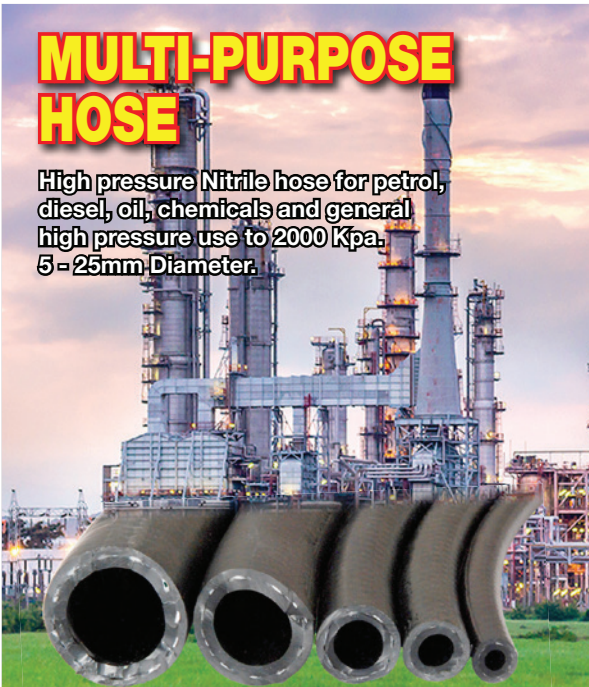
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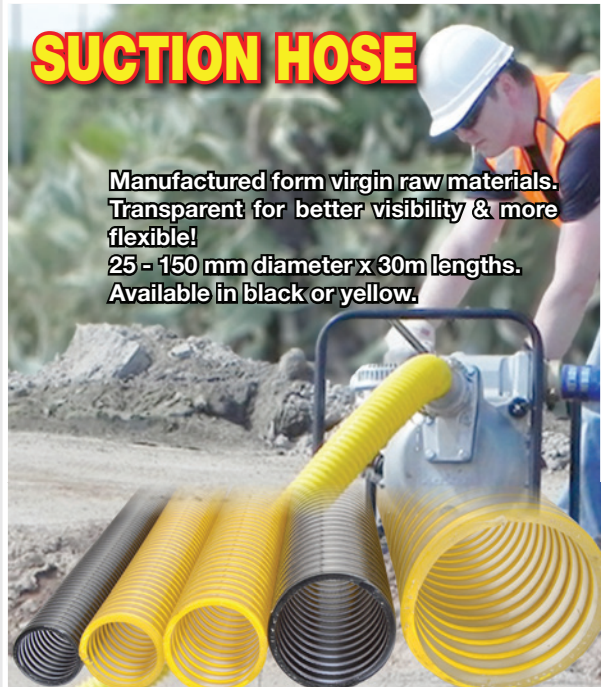
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## The Southern African Grain Laboratory NPC



The Southern African Grain Laboratory NPC is an independent ISO/IEC 17025 accredited laboratory, acting as reference laboratory for the South African Grain Industry.

The **Crop Quality Division** focus on grain and oilseed quality analyses:

- Grading & Milling
- Nutritional analyses
- Rheology & Baking
- Vitamins, Minerals & Amino Acids
- Mycotoxins

The **Crop Protection Division** is also ISO/IEC 17025 accredited and OECD GLP Compliant for analyses on plant protection products:

- 5-batch testing
- shelf-life testing
- quality control

OUR LOCATION

The Grain Building,  
Agri-Hub Office Park  
The Willows, 0040

GENERAL ENQUIRIES

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CQD Email: [info@sagl.co.za](mailto:info@sagl.co.za)

CONTACT US

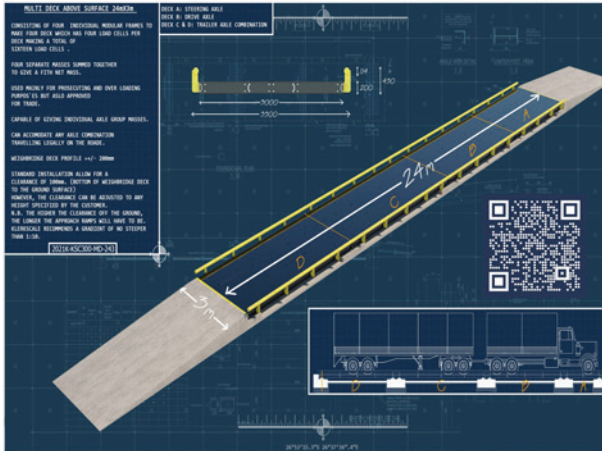
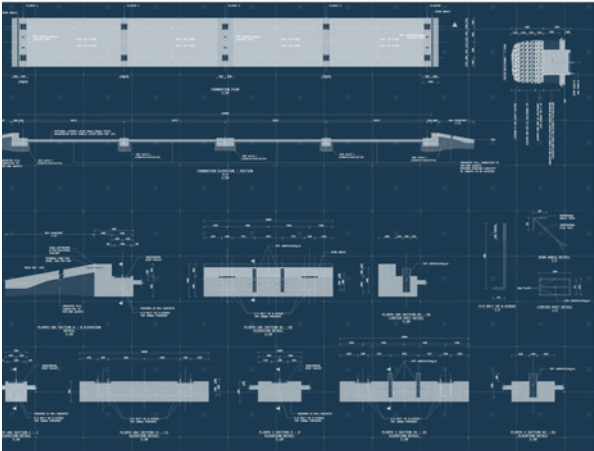
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farmer's soil conditions and requirements.

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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- ✓ It can easily hold the large forces generated by tonnes of water without stretching or bulging.
- ✓ Many customers agree that a steel tank option is much more aesthetically pleasing than the polyethylene tank options, and this is why it's the choice of tank for many architects when designing a water harvesting system.
- ✓ The difference between steel and poly/plastic rainwater tanks is that a steel rainwater tank is 100% UV-proof, ensuring that steel rainwater tanks will not degrade in sunlight. Plastic or polyethylene rainwater tanks are affected by ultra violet light and can break down over time, losing both their strength and colour.

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- ✓ Install as a complete rainwater harvesting system to improve water quality with almost no maintenance
- ✓ Cost-effective, quick and easy installation as a DIY

## DID YOU KNOW?

Normal garden hosing can use up to 1 000 litres per hour of stored rainwater.



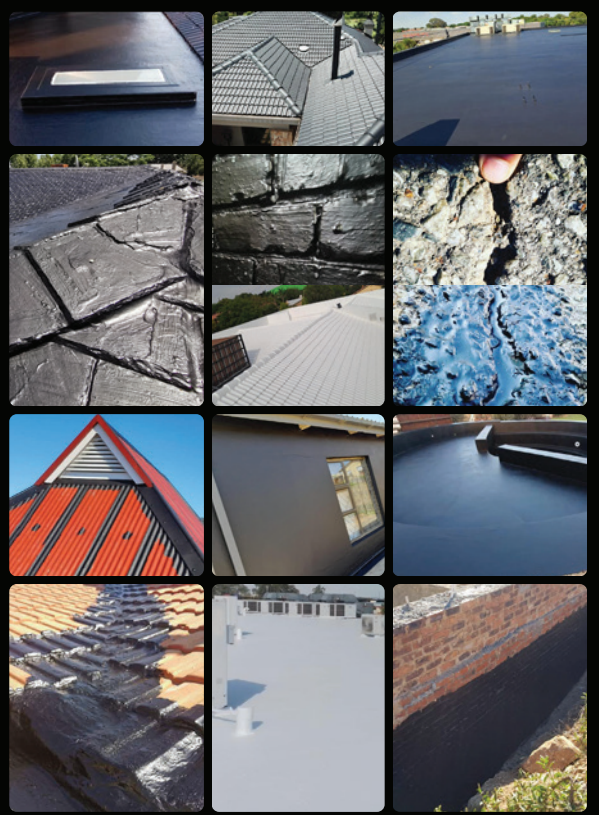


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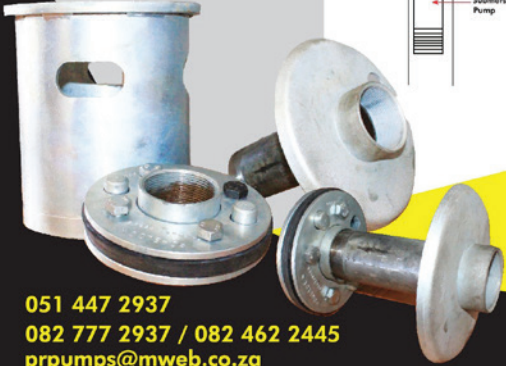
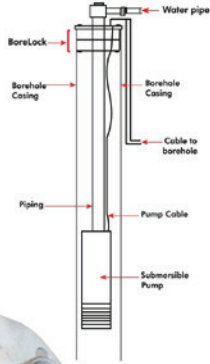




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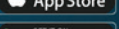
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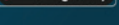


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# FERTASA, CERTIFIED CREDIBILITY.

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

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



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,

## 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.

- 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.



# FERTASA

Fertilizer Association of Southern Africa

Reg. Nr. 1971/000012/08|VAT Reg. Nr. 4830104164

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