

AGRIFOODSA MAG

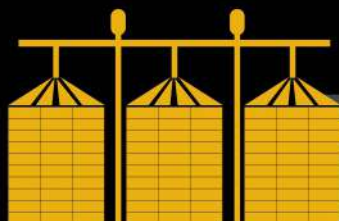
FREE SUPPLIERS GUIDE

AUG - SEP 2020
Vol 5 • No 2



Kirloskar

Engines South Africa (Pty) Ltd



www.gsiafrica.co.za

STORAGE | CONDITIONING
MATERIAL HANDLING | STRUCTURES



ROSTSELMASH
Professional Agrotechnics
COMBINE HARVESTERS



"Country Wide Dealer Network"

TORUM 780 CLASS 8



ENGINE TYPE
Mercedes Benz

POWER
372 kW

TYPE
ROTARY

TOTAL CONCAVE AREA
5.40 sq. m

DRUM DIAMETER
762 mm



ROSTSELMASH RANGE



RSM 2375

ROSTSELMASH
Professional Agrotechnics

375 h.p / 280kW

11 L Cummins turbocharged engine

12 x 4 Manual transmission

35 kmph Maximum speed

170L/min Hydraulics performance

927 L Fuel tank

CAT IV rear 3-point hitch

Twin tyres

* Limited stock available



ACROS 595 CLASS 5



ENGINE TYPE
Cummins QSL9

POWER
248 kW

TYPE
STRAW WALKER

TOTAL CONCAVE AREA
1.38 sq. m

DRUM DIAMETER
800 mm



ROSTSELMASH RANGE

NOVA CLASS 4



ENGINE TYPE
Cummins QSB 4.5

POWER
129 kW

TYPE
STRAW WALKER

TOTAL CONCAVE AREA
0.93 sq. m

DRUM DIAMETER
600 mm



ROSTSELMASH RANGE

38 Rokewood Street, Pomona, Kempton Park, 1619

BD Tereblanche

082 550 7813

bd@feelerafrika.co.za

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EDITOR'S LETTER



Welcome to the August | September 2020 edition of the AGRIFOODSA Magazine. As some of you may know, one of the consequences of the COVID-19-related lockdown regulations has been that many businesses in the media, agricultural and related industries have been "locked out" of their livelihoods, which is why we, at AGRIFOODSA, are so incredibly proud and grateful to be able to bring you this 68-page suppliers guide, featuring 53 unique advertisers.

Our cover featured advertiser for this edition is Kirloskar Engines South Africa (Pty) Ltd. Kirloskar Engines South Africa was established in November 2003 and is authorized as the sole distributor of Kirloskar Diesel Engines and related products in South Africa, Mozambique, Zimbabwe and Botswana. The company entered the South African engine market focusing on engines for general industrial applications, Mining Equipment and Diesel-Powered Generating sets. They also offer extensive spare parts back-up, specialized service staff and also houses a workshop facility to support the product in the field. To find out more about their products and services, go to www.kirloskarsa.co.za.

In an effort to improve the experience of our readers and advertisers, we've added an enhanced Table of Contents to pages 4-6, whereby advertisers are listed alphabetically in business card format.

Be on the lookout for our monthly AGRIFOODSA Newsletter, featuring our digital magazine, informative articles, exciting competitions and more. To sign up to our newsletter, contact info@agrifoodsa.info.

Also be sure 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.

We'd like to thank all of our loyal readers and advertisers for their continued support during these trying times. Our appreciation is immense.

Warmest regards,

Chantell de Bruin

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@chantellschmahl

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COVER PHOTO

KIRLOSKAR ENGINES SA : See Pg 17 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	: 7 500 minimum
Digital run	: 12 000
Readership	: 70 000
Distribution	: Nationally available at agricultural outlets (please see pages 64-65 for a detailed list)
Read online	: www.agrifoodsa.info/magazine



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Planter Monitor

- Seed per 100m per row, seed population
- Hectares worked and much more
- Easy to install and maintain
- Fertiliser and turning of axles
- Can be applied to most planters
- Real tough, rust and water resistant

Cut losses with PRECISION Plant with VISION

Process Monitor for Air Seeders

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- Speed
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- Easy to install
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Front Cover & Page 17



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IMAGE:
COURTESY OF KIRLOSKAR SA

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Leading Edge started their business in 2009 and the majority of their clients are dairy farmers, which results in an array of areas where they can be of assistance. Their employees have over 25 years' experience and knowledge in the dairy industry. They attend international and national Dairy Expo's to keep abreast with new innovations. They strive to supply our clients with products and information where their needs arise. This can be anything from latex gloves to barn interior and silage covers.

PRODUCT RANGE:

- **Silostop®** - Excludes oxygen from bunkers, minimizing dry matter losses, reducing spoilage and improving aerobic stability, producing quality silage. Inferior quality covers are unable to prevent oxygen penetration which causes yeasts, mould and airborne bacteria to grow. Silostop® delivers excellent protection with no silage decay and subsequent losses. It is a multilayer, light and strong film, making it easy to handle. Its unique oxygen barrier properties are proven to be over 100 times more effective than conventional black polyethylene plastic.
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The benefits of Flex Stall™:

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FERTASA

Fertilizer Association of Southern Africa

DR PIETER HAUMANN, CEO OF FERTASA REPORTED THAT THE FIRST EVER VIRTUAL CONGRESS AND AGM HELD BY FERTASA TOOK PLACE SUCCESSFULLY ON THE 22ND OF JULY 2020.

THE CONGRESS WITH THE THEME “2020 VISION FOR THE FUTURE” DEALT WITH THE EFFECTS OF COVID-19 ON ALL ASPECTS GLOBALLY AND IN SOUTH AFRICA.

Dr John Purchase, CEO of Agbiz and Theo Venter, Policy Specialist from North West University Business School gave highly informed and professional insights, opinions and recommendations on the Covid-19 situation with the focus on recovery strategies post Covid19 lockdown.

Videos of the presentations and questions and answers regarding the presentations are available on the Fertasa website (www.fertasa.co.za).

Both speakers were of the opinion that Agriculture, including the Fertilizer Industry would play a vital role in not only surviving the effects of Covid-19 but also in the recovery of the economy in South Africa post Covid-19. Public Private Partnerships (PPP) would be vital in future.

Dr Erik Adriaanse delivered the Fertasa Annual Report which outlined the role and activities of Fertasa during 2019. (A video of the presentation is available on the Fertasa website (www.fertasa.co.za) <http://www.fertasa.co.za/fertasa-events/congress/>)

THE FOLLOWING FERTASA AWARDS WERE ANNOUNCED:

- **Gold medal award** to Prof. Robin Barnard. This is for a lifetime contribution of excellence to agriculture in South Africa.
- **Silver medal award** in research to Prof. Joanna Dames for her valuable contribution to the knowledge and understanding of Mycorrhizal fungi and their interaction with plants and other soil microbes.
- **Honorary Membership** for service to Fertasa and its members.
 - Dr. Arrie Janse van Vuuren
 - Prof. Andries Claassens
 - Mr. Frans Joubert

These awards will be physically made at a suitable function once the lockdown regulations allow it.



PRESS RELEASE

By: Dr Pieter Haumann, HUB Fertasa

THE 61ST ANNUAL GENERAL MEETING TOOK PLACE AFTER THE CONGRESS.

The following aspects were dealt with:

- Two vacancies on the Board of Directors caused by the retirement of the Chairman Dr Erik Adriaanse (from Sasol) and the resignation of Mr James Morotoba from Foskor were filled by the election of Niren Murugan, Regional Head South Africa (ETG), Kynoch and Salo Minnaar, Commercial Director, Afrikelp. Congratulations to these new directors.
- The chair and vice-chair of Fertasa will duly be elected by members.
- Fertasa will continue the PPP in terms of fertilizer quality inspection with partners GrainSA, DALRRD, Sasol Agriculture Trust and Omnia.
- A further PPP is envisaged with DALRRD regarding product registrations. All the industry associations falling under Act 36 of 1947 have come together and formed the Agricultural Input Forum (AIF) to solve challenges with this frustrating problem. The final goal of the AIF is to form a PPP with DALRRD and an independent private body dealing with all aspects of product administration and registration in South Africa,
- Membership numbers of Fertasa have increased to the extent that membership fees have been discounted due to higher income derived from subscriptions and training courses.
- Discount of membership fees to code of conduct certified members had also been granted.
- Small fertilizer companies were upgraded from affiliate members to ordinary members with voting rights, increasing the influence of these small fertilizer companies' in the running of Fertasa.
- A survey amongst members will be done to confirm additional future roles that members want Fertasa to play for them.



DIRECTOR OF THE BOARD
MR. NIREN MURUGAN



DIRECTOR OF THE BOARD
MR. SALO MINNAAR



GOLD MEDAL AWARD
PROF. ROBIN BARNARD



SILVER MEDAL AWARD
PROF. JOANNA DAMES



HONORARY MEMBERSHIP
DR. ARIE JANSE VAN VUUREN



HONORARY MEMBERSHIP
PROF. ANDRIES CLAASSENS



HONORARY MEMBERSHIP
MR. FRANS JOUBERT



CONGRESS SPEAKER
DR. ERIK ADRIAANSE



CONGRESS SPEAKER
DR. JOHN PURCHASE



CONGRESS SPEAKER
MR. THEO VENTER

Fertasa - Fertilizer Association of Southern Africa
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- Choose a logistics company who will be reliable and be part of a global freight network – we can offer this to you as LTG is part of a network with access to 9355 member offices in 192 countries across the world



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YOU ARE A VALUED BUSINESS PARTNER!**



Farming with pinpoint precision



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OUR PRODUCTS **HARDWARE** : SOIL MOISTURE PROBES | LOGGERS | AUTOMATION | WEATHER STATIONS
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With climatic changes aggressively impacting resource availability, our clients have taken a leap towards new age thinking methodologies of using the best of what is available with low cost implications.

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SCAN ME



Technopol SA, founded in 1993, is primarily involved in the manufacturing of Expanded Polystyrene (EPS) and value-added products based on EPS. We also manufacturer value added product using PIR and Rockwool. We specialize in creating innovative building solutions that are energy saving and environmentally friendly.

Our vision is to exceed customer expectations for quality, safety, sustainability, cost, delivery, value and to become the supplier — and inspirer — of choice for Expanded Polystyrene (EPS) blocks; EPS sheets; EPS cornice; Insulated ceiling solutions; Adhesives and Polymers and Roof solutions, through leadership and innovation.

Our LiteCel® range of Expanded Polystyrene foams find application in a hugely diverse range of applications from Void Filling, (Geolite®) covered with soil and concrete, Thermal Insulation cores for Wall Insulation products, (LiteCore® and Nuwall®), Floor Insulation and Roof and Ceiling Insulation, (LiteSpan®, PolyCool® and SuperCool®), special Agrément Certified IBT building system and decorative products.

At Technopol SA we provide purpose designed products to our customers that wish to construct with Innovative Building Technologies. All new buildings in South Africa must now meet the energy efficiency standards as set out in SANS 10 400 Part XA.

At Technopol we also want to see people impart energy efficiency and thermal comfort into their dwellings and businesses by presenting cost effective fit for purpose products to the market. We don't believe in a one-size-fits-all approach, but rather to provide the customer with a solution specific to their unique and diverse requirements.

We use best practise and proven methodologies to:

- Analyse the needs of our customers and resolve any problems that arise.
- Use the above analytical data, and facts to plot the best possible solution.
- Use a strategic approach to show the customer exactly how we can assist them to reduce their building costs and be more energy efficient.
- Show the customer a roadmap of how we can partner with them, in order to make sure that we continuously add value, and assist them to have an on-going and innovative approach to achieving their building objectives.

At Technopol SA we continuously strive to be at the forefront of pioneering the next level of value, and customer centric solutions to offer to the market. We don't change the customer's needs to suit our product; we tailor the solution to suit the customer's needs.

Technopol SA is committed to supporting the communities within which we operate. We believe in the practice of social responsibility and encourage similar behaviour in our employees and suppliers. We support the conservation of the physical environment and the prevention of pollution at our facilities; and as such our environmental commitments include:

- To constantly increase environmental consciousness and application in all personnel
- o achieve an environmentally friendly work place in order to promote Quality of Life for all employees.
- To constantly strive to reduce any negative environmental impact of our products and processes.
- To continue to invest in improved energy efficiency and energy conservation.
- To conserve natural resources through efficient use and careful planning
- To control the creation of waste and, wherever practicable, recycle materials and waste. Hazardous Waste and effluents will be disposed of in a safe and responsible manner.
- To eliminate or reduce as far as possible the release of emissions or any pollutant that may cause environmental damage.
- To assess new processes for possible negative environmental impact before introduction.
- To undertake regular environmental monitoring and auditing of our activities.
- To adapt to climate change and to ensure mitigation in respect of climate change.
- To protect the biodiversity and ecosystems.
- Life cycle thinking

To date, Technopol SA is the only Thermal Insulation Manufacturer in South Africa that has an Integrated Management System that is ISO 9001, ISO 14001 and ISO 45001 Standards certified.

Technopol SA has a team of trained specialists, engineers and technicians who have built the necessary portfolio of experience to provide suitable solutions to any project. Our employees are motivated and active problem solvers.

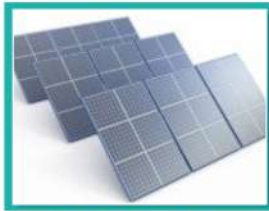


One of the factors critical to Technopol SA's success was its decision to distribute its products not only to the South African market, but also Namibia, Swaziland, Lesotho, Botswana, Zimbabwe and Zambia. At our plant in Springs, we undertake a number of rigorous quality checks on all our products in our own laboratory. Only after these checks have been completed will the products be distributed to our customers.

WWW.MIPOWER.CO.ZA



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SOLAR ENERGY SYSTEMS



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WATER TREATMENT PLANT AND AC

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MI Power delivers the most advanced solar systems, custom financing and progressive sustainability practices. And our fully-integrated design approach to solar systems, battery storage and energy monitoring software makes our unique solar solutions a sound investment with greater peace of mind.

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Whichever wind turbine or service you need; we have what you need to maximize your return on investment while leading the industry in delivering a lower cost of energy for everyone.

WATER TREATMENT PLANT AND AC - SUBMERSIBLE BOREHOLE PUMPS

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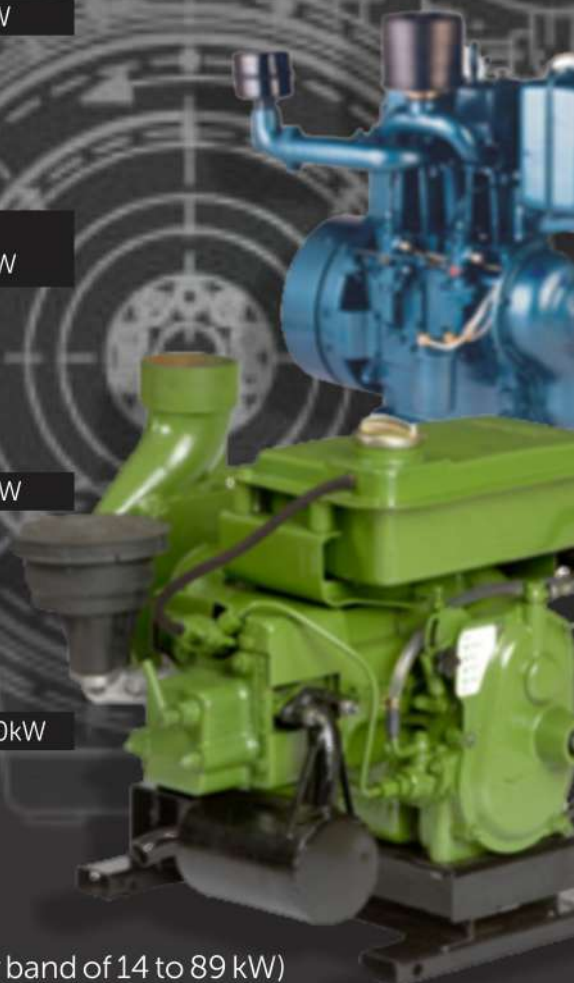
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ArviPo snoeiskere is n battery pak snoeisker en is beskikbaar in Suid Afrika vanaf 2012. Die snoeisker kom met verlenings stokke van 1.5 meter.

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GTE



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"TOUCHDOWN FORTE® HI TECH - NIE NET ENIGE GLIFOSAAT NIE"

Francois Van Deventer - Technical Lead Herbicides & Fungicides Syngenta SA

Sedert eerste registrasie in 1974 in die VSA, het glifosaat die mees gebruikte sintetiese onkruidoder wêreldwyd geword. Dit is tot 'n groot mate gedryf deur die ontwikkeling van glifosaat verdraagsame gewasse. In Suid-Afrika alleen is daar meer as 65 handelsname van produkte wat glifosaat as aktiewe bestanddeel bevat. Maar is alle glifosaat produkte dieselfde? Speel formulasie nie miskien 'n groter rol in die produk as wat meeste mense besef nie?

Eerstens speel die tipe sout formulasie 'n groot rol. Aangesien die glifosaat molekule 'n swak suur is, word dit altyd geformuleer as een of ander hoogs oplosbare monovalente sout (ammonium, dimetielamien, isopropielamien, kalium- of 'n natrium sout) om die formulasie te stabiliseer. Die tipe soutformulasie dra ook by hoe effektief die aktiewe bestanddeel geabsorbeer word en in die blare penetreer. Die graad van aktiwiteit werking van glifosaat word bepaal deur hoe effektief absorpsie van glifosaat deur die teiken plant is. Absorpsie is nie deur die bank dieselfde vir alle onkruid spesies nie a.g.v. fisiologiese verskille.

TOUCHDOWN FORTE® HI TECH is 'n kaliumsout glifosaat formulasie van SYNGENTA®. Aangesien 'n kaliumsout formulasie die hoogste water oplosbaarheid van al die algemeenste glifosaat sout formulasies het, maak dit 'n hoë glifosaat suur konsentrasie (500g/L) vloeistof formulasie moontlik. Ook is die kaliumsout formulasie hoogs higroskopies, wat beteken dit neem voortdurend vog uit die omgewing op, om sodoende langdurige opname deur die plant te verseker asook verbeterde translokasie. Die verhoogde higroskopie kan dus direk gekoppel word aan 'n verhoogde intrinsieke aktiwiteit in onkruid.

Maar die tipe sout formulasie is nie die enigste eienskap wat bydrae tot verbeterende opname in teiken plante nie. Onkruid spesies het verskillende blaar oppervlak waslaag strukture. In sommige plante is die waslaag baie hidrofobies en stoot dit hoogs water oplosbare glifosaat molekules af. Die probleem kan oorkom word deur van benatters gebruik te maak. En dit is wat TOUCHDOWN FORTE® HI TECH uitsonderlik maak aangesien dit reeds 'n dubbel aksie benatter ingebou het in die formulasie. Die ingeboude, bioafbreekbare benatters in TOUCHDOWN FORTE® HI TECH kombineer die beste eienskappe van nie-ioniese (wat hoofsaaklik op die blaaroppervlak werk) en

kationiese (wat in die kutikula inbeweeg en die epidermis selle penetreer) benatters deurdat dit glifosaat opname aan help sonder om die epidermis selle te beskadig. Hierdie eienskap dra by tot die effektiwiteit van TOUCHDOWN FORTE® HI TECH aangesien epidermis selle nie beskadig word nie en dus word opname en translokasie nie belemmer nie (meeste kationiese benatters op hul eie beskadig gewoonlik epidermis selle, wat opname negatief kan beïnvloed). Aangesien glifosaat 'n sistemies metode van werking het, word die beste resultate met TOUCHDOWN FORTE® HI TECH behaal waar jonger, aktief groeiende onkruid wat nie onder stremming verkeer nie, gespuit word teen die aanbevole dosis.

Nog 'n kenmerkende formulasie eienskap van TOUCHDOWN FORTE® HI TECH wat gebruik vergemaklik, is die verminderde skuim vorming tydens meng. Die produk het ook 'n lae viskositeit, wat dit maklik maak om te pomp of uit te gooi.

Soos met alle glifosaat produkte, word TOUCHDOWN FORTE® HI TECH vinnig gedeaktiveer wanneer dit in aanraking met grond partikels kom - dus moet skoon water altyd gebruik word. Daarom kan oormatige stof tydens toediening (hetsy op die plante of agter die spuit) die produk se effektiwiteit nadelig beïnvloed. Waar harde water gebruik word of die kwaliteit onbekend is, word dit aanbeveel om die water eers met 0.5 - 2% v/v ammoniumsulfaat te behandel voor TOUCHDOWN FORTE® HI TECH ingemeng word. TOUCHDOWN FORTE® HI TECH is verenigbaar met CALLISTO®, DUAL® GOLD, METAGAN® GOLD, SORGOMIL® GOLD & LUMAX®, wat die produsent residuë beheer opsies gee van onkruid wat later mag ontkiem. TOUCHDOWN FORTE® HI TECH is veilig vir gebruik op glifosaat tolerante gewasse. Verwys altyd na die respektiewe produk etikette vir korrekte gebruiksaanwysings en beperkinge.

READ THE PRODUCT LABEL FOR FULL DETAILS.

TOUCHDOWN FORTE® HI TECH contains Glyphosate (Reg. no. L7305, Act 36 of 1947) CAUTION.

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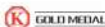


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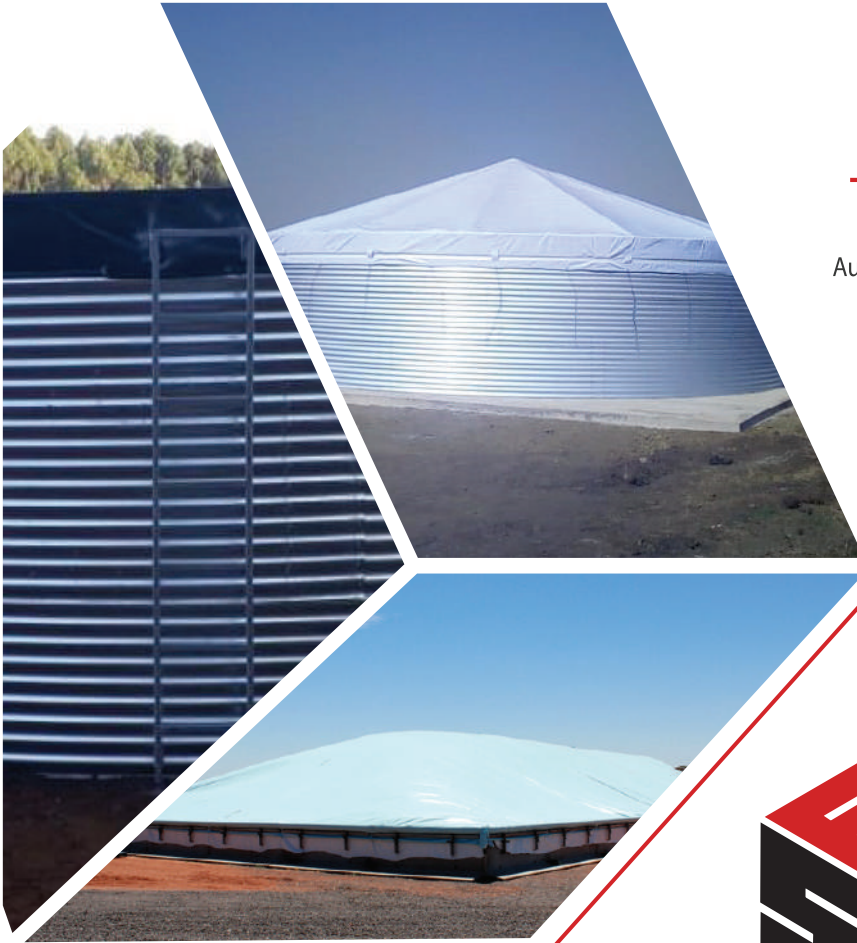
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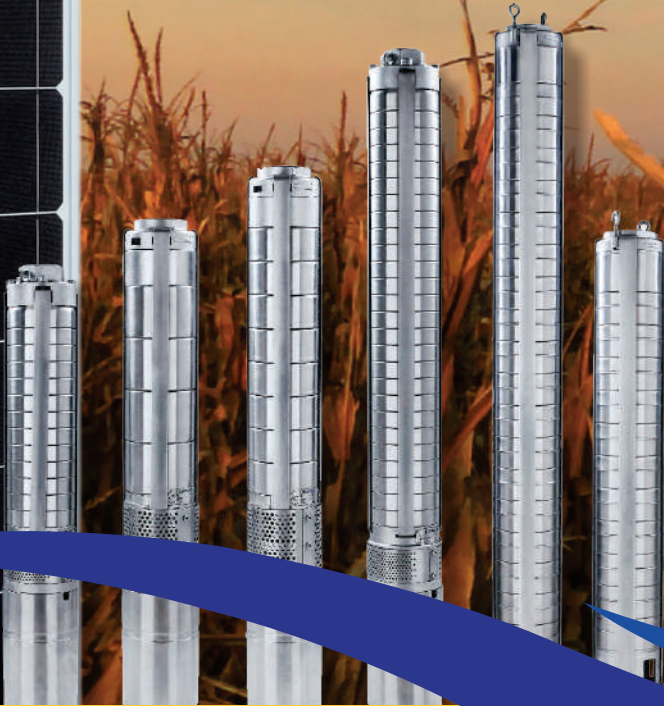
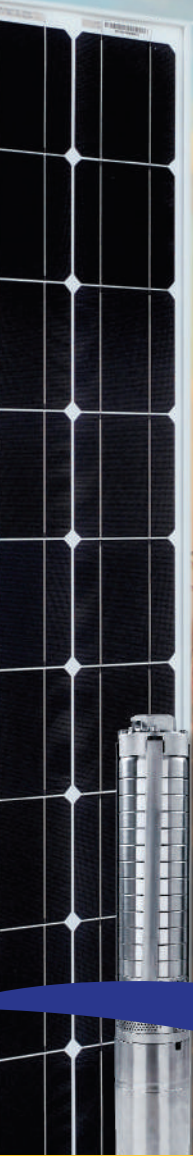




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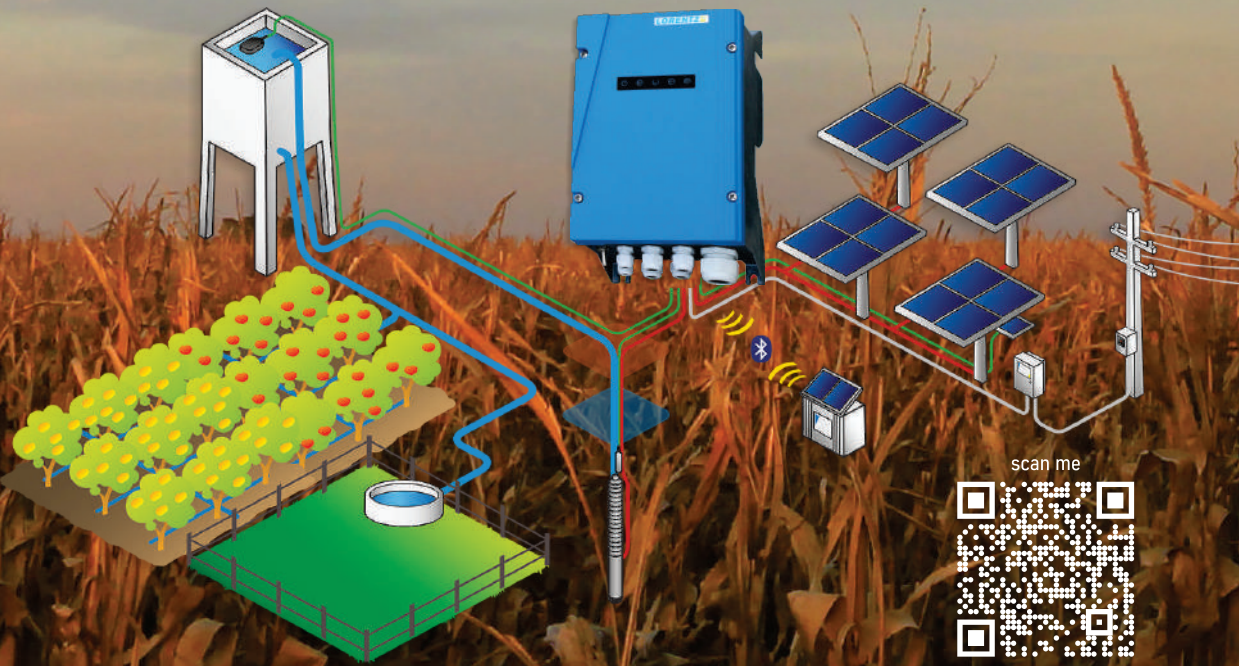


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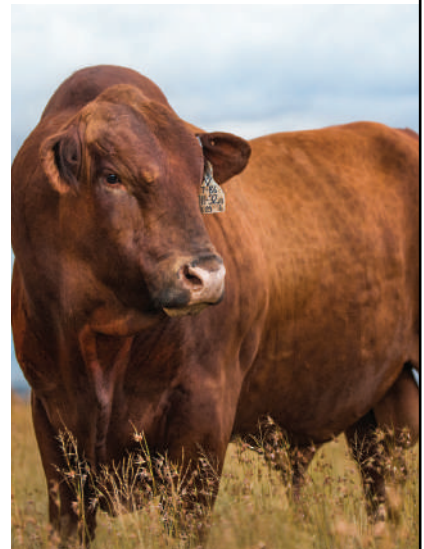
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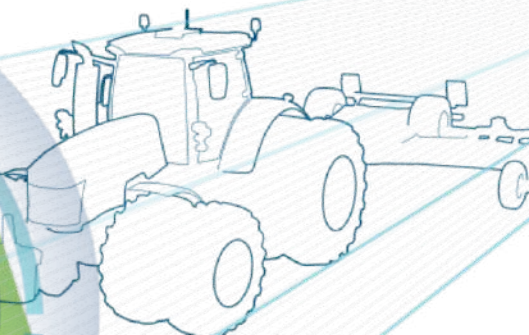
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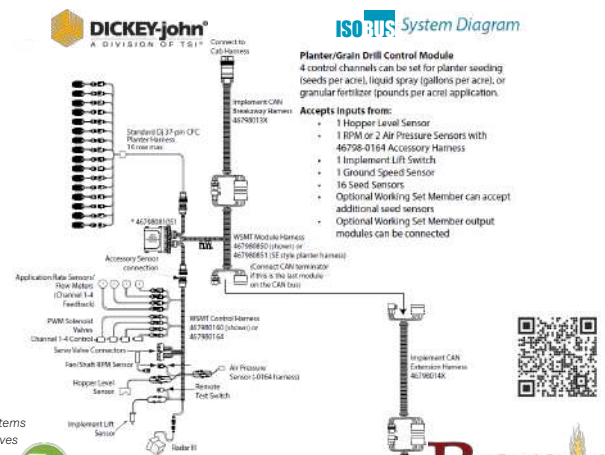
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ICON LUCERNE

'Icon' was developed by selection among survivors from old fields of 'Aurora'. Plants were selected on plant characteristics, superior fodder yield, reliable seed production and improved disease and pest resistance. In each cycle of selection plants with superior features were retained and others were eliminated before flowering

The Australian variety 'Aurora' has performed very well in New South Wales and Argentina. The aim was to produce a broadly adapted and high yielding variety by selection of superior plants from within a proven variety. Traditional breeding methods were used to develop 'Icon'.



Agronomic characters

Plants are moderately tall with semi-erect leafy stems. 'Icon' plants are moderately winter active (rating 7) with strong summer growth, vigorous recovery from cutting or grazing and good survival under grazing. It is early flowering with flowers varying from light to dark blue. In resistance to pests and diseases 'Icon' is superior to 'Aurora' (see table 1). Independent tests for levels of resistance in 'Icon' were conducted by Crop Characteristics Inc. MN, USA.

Table 1: Disease and pest resistance of 'Icon' and 'Aurora'

	SPOTTED APHID	BLUE APHID	PEA APHID	PHYTOPHTHORA	ANTHRACNOSE
ICON	HR*	HR	R	HR	S
AURORA	HR	MR	MR	R	MR

* HR – highly resistant, R – resistant, MR – moderate resistant and S - susceptible

To assess hay production potential two hay cuts were taken in a two year old stand. In the first cut 'Icon' out yielded 'Aurora' by 16% and in the second by 32%.

In a comprehensive trial established at Keith in South Australia, the performances of 28 varieties and elite lines were compared in an irrigated replicated field trial. The yield of 'Icon' over three hay cuts was 2.33 tonnes/hectare, 10% more than 'Aurora' and other comparable varieties (see below).

Icon 2.33 t/ha
 Aurora 2.12 t/ha
 Genesis 2.08 t/ha
 Sardi 7 2.05 t/ha
 LSD (5%) 0.27 t/ha

The above trials indicate the 'Icon' is clearly more productive and more pest and disease resistant than its parent variety 'Aurora'.

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Agricultural **Shade Net**

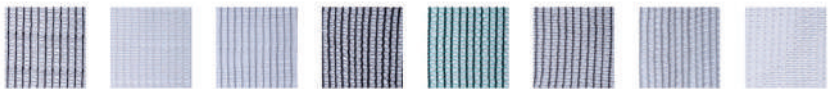


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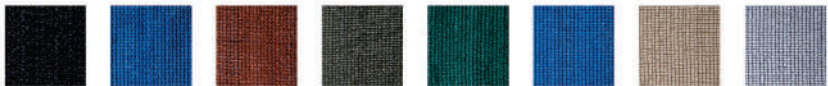
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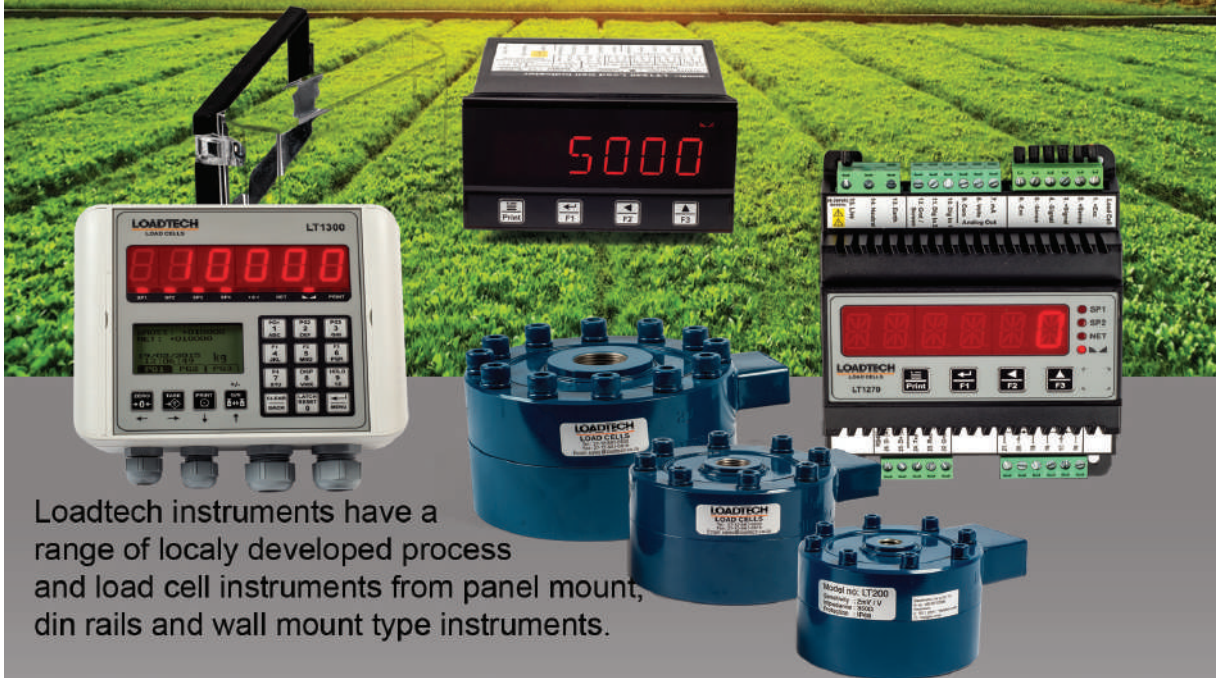
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Who are we?

FERTASA MEMBERS ARE COMMITTED TO:

- 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.

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 Management Committee which comprises representatives from all ordinary and affiliate members. The Management Committee appoints 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.

Mission

To provide a credible platform to promote the responsible and sustainable use of fertilisers.

Vision

To be recognised as the representative voice for the fertilizer industry and as the stamp of approval for responsible and sustainable soil

fertility and plant nutrition in Southern Africa.

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 fertiliser and aglime practices;
- Develop a positive public awareness and acceptance of the need for fertiliser 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 fertiliser and aglime related information;
- Provide a discussion forum for its members and other parties on all aspects relating to fertiliser and aglime distribution, agronomic advice and product quality.

www.fertasa.co.za

Fertasa - Fertilizer Association of Southern Africa

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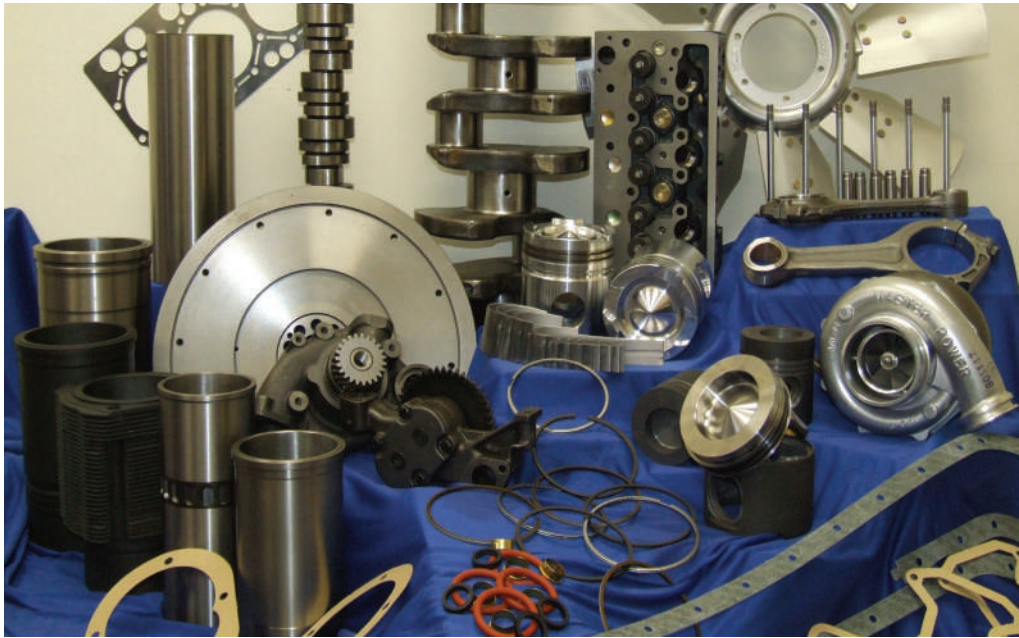
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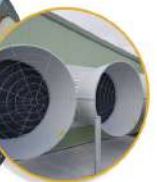


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6 x 1.55 m Zinc dam (44 kl)	- R 19 200	12 x 2.3 m Zinc dam (261 kl)	- R 68 500
6 x 2.3 m Zinc dam (65 kl)	- R 24 700	14 x 2.3 m Zinc dam (354 kl)	- R 89 000

PRICES INCLUDE:

ZincAl | Lining | 50 mm Outlet | 40 mm overflow | Installation and VAT. Transport not included

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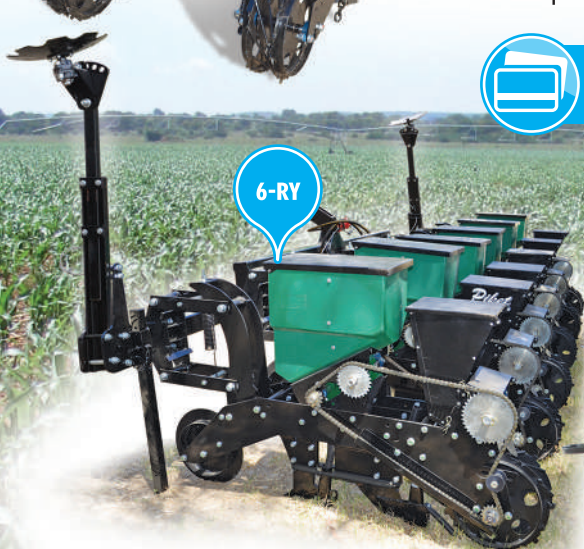
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