



# RADIUS

Issue 3.0 // 012

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FREE

**The Farmer's  
To-Do List For  
Spring**

**Basjan Se Boomhuis**  
*Die Boomkonsert*

**Covid-Entstowwe**  
*- veilig of onveilig*

**Addressing Fire  
Risks In And Around  
Your Home**

**What You Need To Know  
About The New Protection  
Of Personal Information Act**

**It's Time You Outsourced Your Payroll  
With TWK Payroll Services – Here's Why**

TWK INSURANCE

*Epmelo*

DRIVING A BETTER TOMORROW

# Vertrou jou kraanwater

Geniet gesonde, smaaklike water met JoJo se bobaas reeks waterfilters.



Filter Jug



Filter Bottle



Countertop Filter



Inline Filter



Undercounter Filter



Whole-house Filter

## Hoe goed ken jy jou water?



Water wat deeglik gefilter is, smaak heerlik en bevat geen chloor, sediment, spore van chemikalieë of skadelike mikroskopiese oorblyfsels wat in die liggaam kan opbou en ons gesondheid affekteer nie.

JoJo se reeks waterfilters gebruik Disruptor™ 5293 PAC-S tegnologie om jou water behoorlik en deeglik te filter. Hierdie tegnologie is oorspronklik deur NASA ontwikkel vir gebruik in die ruimte, en kombineer 3 behandelinge in een produk: Elektroadsorpsie vang en verwyder virusse, bakterieë en verskeie ander kontaminante; anti-mikrobiale silwer ontsmet en verpoeierde geaktiveerde koolstof verminder reuke en verbeter smaak.

Vertrou jou kraanwater met JoJo. Beskikbaar aanlyn en by voorste hardware handelaars.



**VERWYDER**  
Bakterieë



**VERWYDER**  
Virusse



**VERWYDER**  
Parasiete



**VERWYDER**  
Sediment



**VERWYDER**  
Chloor



**VERWYDER**  
Medikasie

Achieving

# sustainable

growth, together.

Our mission is to deliver value-adding products and services to the agricultural and related industries and to the communities in which we operate.



this is our story...



# Adding Value to your Frameworks

It has been a trying winter season; I think we can all agree that we have all had our patience, faith and strength tested. What I have gained is wisdom on adding value to my framework. What does this mean?

When you go into the depth of creating art, you would know that you usually start by creating your outlines or framework before adding the guts to your drawing. This refers to our framework in life; some might be going to work, going to church, attending a meeting, dropping kids off at school, etc.

Adding value to our images is what makes them real. It makes it a real, actual idea for other people to look at. This, in real life, would refer to our actions and words within these frameworks.

What value are we adding when we go to work? Do you uplift and help other people bloom? What was your last phrase when you dropped your children off? "See you this afternoon for our weekly ice cream!" usually is what gets me a big smile in return. Adding quality value to your framework is so important; it is what you can take home, and it lets you get up with joy, or hardship, in the mornings. Adding value to your every day is what makes us human. The people around us appreciate it, cherish it, and most of all, it reflects your inner qualities. Jesus said in Matthew 12:34, "For the mouth speaks what the heart is full of".

Is your added value of real value? Make sure it is because our time is precious, our time is often limited, and our actions and words can make or break ourselves or those around us.

My heart goes out to those who have suffered a significant loss in this past year, facing new challenges without a father, a mother, partner, spouse or even a child. May God hold you tight and comfort you and your family during your times of challenge.

Now, over to you - how can we be of service to you in our endeavour of Driving a Better Tomorrow?

*Louise*

**Louise Johnson // Editor: Radius**

*Adding value to your day might be the most crucial mission you set out to do. Be in every moment, enjoy every moment, and most importantly, add value to your moments.*

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## TWK Versekering, Ermelo

### streef na kundigheid en dienslewering

*Deur Chantell Grobler en Clara Rautenbach*

#### **Alhoewel hierdie versekeringstak relatief jonk in jare is, bewys hy homself keer op keer met die kundigheid en dienslewering wat hier onder een dak gehuisves word.**

**T**WK Agri Versekering se Ermelo-tak het amptelik sy deure in Oktober 2016 oopgemaak, nadat Futurum Financial Group (FFG) Ermelo hulleself by die TWK-familie gevoeg het. FFG het na intense navorsing besluit dat die beste heenkome vir hulle korttermyn-, mediese en lewensversekeringskliënte by TWK sou wees, aangesien TWK Versekering homself reeds as 'n diensverskaffer van uitstaande gehalte gevestig het. Boonop kon TWK Versekering vir FFG se kliënte ook 'n baie groter verskeidenheid opsies van versekeraars bied.

Vyf suksesvolle jare het intussen verbygevlieg, en vandag bied die Ermelo-tak by sy nuwe tuiste in Tautestraat 'n eenstopoplossing vir alle fasette van versekering aan die dorp en sy omliggende gebiede.

Dale Groenewald en Louis Murray is trots op hulle goeie kliëntediens wat korttermynversekering betref. Dale, wat as deel van FFG by TWK Agri aangesluit het, het vir Louis onder sy spreekwoordelike vlerk geneem nadat laasgenoemde in 2018 saam met Lanique Makelaars by TWK Agri ingeskakel het.

Met talle pryse vir langtermynversekering in sy sak, kan die gemeenskap van Ermelo nie vir beter vra as die ervare Vink Venter nie. Sy spesialiskennis spits hy toe op kliënte se langtermynbehoefte, insluitend lewensversekering en beleggings, maar

daarmee saam beskik hy ook oor die kennis om juis die nismark van oesversekering doeltreffend te bedien. Dit is egter met voorsorgfondsvoordele en groepdekking dat Vink al menige ander konsultante stof in die oë geskop het.

Suksesvolle kliëntediens sou nie moontlik wees sonder 'n ondersteuningsraamwerk in die vorm van 'n dinamiese en doeltreffende administratiewe personeelkorps nie. By TWK Agri se Ermelo-versekeringstak heers 'n spangees wat tasbaar is. Met die intreeslag word die kliënt verwelkom om hom-



*TWK Ermelo-span is gereed om van diens te wees*



Die dinamiese admin-span by TWK Verzekering, Ermelo (vnr)  
Elsa van Huyssteen, Anri Louw, Marlien van den Heever, Tina Carter en Shani Marais

haarself deel van die TWK-familie te maak. Vir die personeel van hierdie tak is vertrouensbande met die kliënt van die grootste belang – en dit kan duidelik gesien word in die merkwaardige manier waarop hierdie jong tak in net vyf jaar reeds gegroei het. Menseverhoudinge en dienslewering is sowaar die polsslag in hierdie kantoor.

Met 'n fondasie wat stabiel en sterk gelê is, en wat aanhou om uit te brei en te versterk, is die Ermelo-tak se toekomsblik om homself uit te daag om juis dit wat hy goed doen, aan te hou doen – om elke kliënt wat die kantoor binnestap deel van die familie te maak en as langtermynkliënt te behou.

Verder is gemeenskapsbetrokkenheid 'n kerndoelwit – op beide 'n kort- en 'n langtermynbasis. Die tak meen dat die daad by die woord gevoeg moet word – vertrouensbande word gesmee deur sover moontlik by projekte betrokke te raak waarby die gemeenskap kan baat. "Die een hand was immers die ander," meen Dale. Skolebetrokkenheid is ook 'n groot passie onder hierdie familie-gedrewe groep, en daarom word daar in die dorp self, asook in sy omliggende gemeenskappe, gereeld by skole 'n TWK Versekeringsbord aangetref. "Waar beter om 'n verskil te maak, as juis by die jeug van ons land?"

TWK Verzekering Ermelo

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Kyk uit vir ons ingang by ons nuwe kantore



Louis Murray, Junior Bemarker: Korttermyn



Dale Groenewald, Bemarker: Korttermyn, Lewens en Medies



Vink Venter, Bemarker: Lewens- en Oesversekering



# Values



## GROWTH

Committed to providing excellence and constantly exceeding previous efforts.



## STRIVE

We strive to be the supplier of choice, the market of choice, the employer of choice and the investment of choice.



## RENEW

Pro-actively committed to meeting the needs of our stakeholders without compromising the future of generations to come.



## SUSTAIN

A fresh outlook on business, underpinned by experience and knowledge.



## CONSERVE

We take responsibility to protect the environment in which we work, thereby conserving a legacy for the future.



## DEVELOP

Investing time, resources and knowledge in our youth, employees, clients and the communities in which we operate.

## Sensako hoë-prestasie-oliesaadgewasse

Sensako staan aan die voerpunt van saadnavorsing en lewer al vir meer as 60 jaar voortdurende verbeterings in saadprestasie. Betroubare Sensako-oliesaadkultivars met hoë opbrengs word vir Suid-Afrikaanse toestande gekweek deur gebruik te maak van internasionale 'beste-in-sy-klas'-saadgenetika.

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# The farmer's to-do list for spring

By Cornelia Vermaak

**With budding wildflowers, green grass appearing, and life returning to the fields, spring presents a fresh slate for farmers. Here are our top tips for vaccinating, feeding, marking and more...**

**B**eing the start of a new breeding season, spring brings a new "to-do" list for livestock farmers.



## **Vaccinating and dipping livestock**

Calves and lambs are being born. The veterinarian will be making rounds on the farms. Farmers will have to dip and vaccinate their livestock.

One of the first things livestock farmers need to do is to have both rams and bulls tested by a veterinarian to ensure they are healthy for the new breeding season (this means checking for STD's and fertility).

Doing this as early as possible will benefit your animals and give enough time for an alternative plan if you receive bad news about any of your breeding animals.

As part of this important step, remember to vaccinate your animals for lumpy skin disease and three-day stiffness. Lumpy skin disease can in some severe cases leave permanent scarring on the animal's hide, and this can cause temporary infertility in bulls.

Another important vaccination is that of any young heifers before breeding starts.

Discuss this with your veterinarian to find out what is needed for any of your young breeding animals. It is vital to vaccinate young animals before breeding them, because in some instances vaccinating them after they have bred, can cause them to abort the fetuses.

Work in a visit or two to your local TWK branch to speak to the knowledgeable helpers and assistants to find out the required vaccinations for your herd as well.

TWK can also advise you regarding the dip that your animals will need for the upcoming season. There could be new products available that will benefit your livestock.

Remember that when it comes to certain dips and

medication, it is a good idea to alternate between products.

Sometimes, when using certain products intensively, external and internal parasites can build up immunity against the active ingredient in the dip/medication. Discuss this with the assistant at your local TWK branch and keep track of the products you use.



## **Be on the lookout for parasites**

Keep an eye on external parasites, whether they be ticks or lice. As the temperatures warm up and rain starts falling in the summer rain regions, external parasites will once more become problematic.

Once you notice these parasites, it's a good idea to dip animals before they become riddled with parasites.

Try and keep medication close at hand in case your animals come down with something like red water where time is crucial; treating them early helps their chances of survival.

At the start of the season, before the rainy season is in full swing, natural water sources (streams, rivers and dams) will still be stagnant and will be an ideal breeding ground for parasites (liver fluke and the like).

If you do notice any symptoms (paleness, "bag"-like appearances under animals' jaws, etc.), ensure that animals are treated promptly.

If you are unsure about the type of infestation,

***"If you do end up with lambs that have been left behind by the ewes, get the lambs to drink milk as soon as possible and check on the health of the ewes as well!"***





*“Remember that when it comes to certain dips and medication, it is a good idea to alternate between products.”*



*“If you do notice any symptoms of parasites, ensure that animals are treated promptly. Take a sample of fresh manure to the vet to see what type of infestation you are facing.”*

take a sample of fresh manure to your local veterinarian for them to test and determine what type of infestation you are facing.

Sheep and goats should not be forgotten; in these cases, you need to look out for lice, nodular worm, hook worm and the like. Treating animals for parasites early will help keep herds healthy and prevent losses.



**Research and ensure you're on top of feed and lick requirements**

Whether sheep lamb in the winter or in spring and summer, if they are not healthy or if they do not have sufficient feed, they will not rear their young.

If you do end up with lambs that have been left behind by the ewes, get the lambs to drink milk as soon as possible and check on the health of the ewes as well.

With seasons changing, natural grazing and lick requirements will change as well. Whether your sheep (or goats) were eating grass, bales or other feed during the winter, their feed requirements and available feed will be changing with spring.

Because of this, it's important to remember to vaccinate your animals for pulpy kidney. Doing this in a timely manner, regularly throughout the year, will ensure that you lose less animals.

Going over from winter to spring (and summer) means animals' nutritional needs are once again different. If you are unsure about what feed to give, or if you don't have a summer lick yet, speak to assistants at your TWK branch.

There are several options available, some already premixed and others to be mixed at home. Pick up brochures detailing different types that are available at our branches and keep them at hand.

Breeding animals' nutritional requirements will also differ from those who are not in a breeding phase— this goes for those that are rearing young as well.

Ensuring they are receiving the right supplements for the phase they are in will not just ensure they are producing as they should, but it will also save you money in the long run.

Keep an eye out for animals who are struggling to pick up weight. These animals could have

underlying health issues.

Animals are supposed to be picking up weight as their natural grazing improves as the season go on. If they do not, chances are there is something wrong with the animal(s).



**Identify your animals with a mark or tattoo**

If you haven't already registered an animal identification mark and tattoo for your livestock, now is the time do so. Keep the original certificate and make several copies.

Whenever you market your animals, whether directly or through an auction, you are legally required to produce not just a removal certificate, but also an animal identification mark certificate as well as proof of identification of the owner and transporter.

This is done to lower livestock theft as well as locate the origin and prevent the spread of certain diseases (such as foot-and-mouth disease).

You may also be required to provide the name and contact details of the veterinarian who knows and treats your herd.

Over the last several months, quite a few cases have popped up with both farmers and auctioneers being fined because of paperwork that's not in order.

If you are unsure about how to go about registering an animal registration mark (branding as well as tattoos), get in contact with your local stock theft unit for the relevant forms or even deal directly with the Department of Agriculture.

Farmers are legally required to mark their animals. A healthy herd is a productive herd. A productive herd provides a profit for the farmer. Build a working relationship with your local veterinarian and don't hesitate to ask questions when visiting your local TWK co-operation.

With the correct management (which includes staying on top of treatment plans and even the paperwork), a profitable farmer can continue to grow.

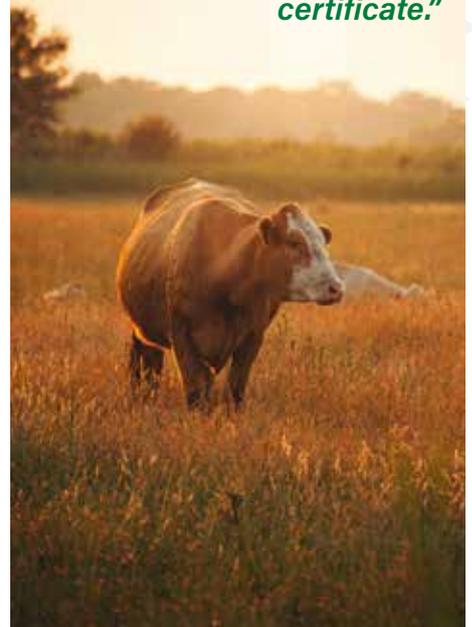
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*“Whenever you market your animals, whether directly or through an auction, you are legally required to produce not just a removal certificate, but also an animal identification mark certificate.”*



## NUTRIFEED: SOMERWEIDING SONDER GELYKE

**Nutrifeed** is 'n dagliglengte-sensitiewe (ultra-laaitblom) basterbabala. Reproduksie word deur 'n 12 ure, 20 minute nag geïnisieer, wat beteken dat kragtige, vegetatiewe groei tot einde Maart verwag kan word, mits toestande gunstig is. Dit voorsien blaarryke somerweiding van uitstekende gehalte, vergelykbaar met die kwaliteit van hawer in die winter.

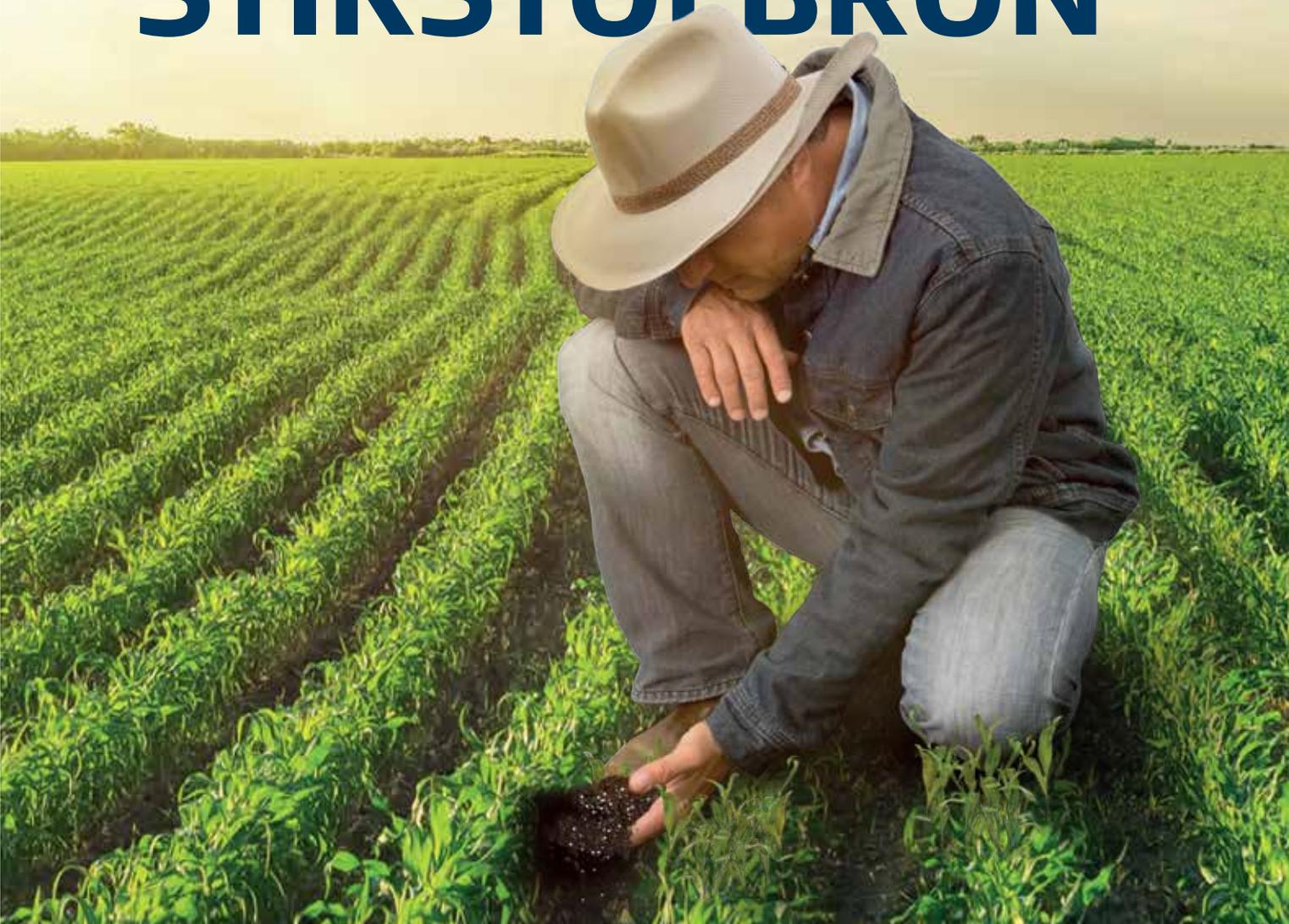
**Nutrifeed** het geen blousuur-risiko nie en kan deur enige klas dier bewei word. Onder gunstige toestande kan dit vinnig vestig en produseer om binne 4 – 7 weke die eerste keer bewei te word. Dit beskik oor 'n goeie hergroeivermoë indien dit nie laer as 15cm afgewei word nie.

**Nutrifeed** is baie gevoelig vir lae grondtemperatuur; minimum grondtemperatuur moet >18°C wees vir saad om te ontkiem en saailinge om sterk te vestig.



SASOL KAN 28

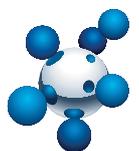
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# It's time you outsourced your payroll with TWK Payroll Services – here's why

By Sagrns Klopper

**Outsourcing payroll to a third party provides several benefits to all kinds of businesses. TWK looks at why and how you can take this step for your business with us.**

Outsourcing puts your payroll in the hands of the experts, allowing you to focus better on your business, while taking advantage of technology and expertise that you may not be able to afford in-house.

Payroll is one of those processes that is essential, but not critical to sales and business growth. Consequently, payroll administration can feel like a drain on work hours and resources – resources that could better spent in making money. Payroll is complex and pay runs need to be made on a regular basis, so this function does not just go away if it's been done once. There are several benefits to outsourcing your payroll, which means you should give the following considerations some serious thought.

***"By outsourcing payroll, a small business can take advantage of expertise that has previously only been available to big companies."***

**Have peace of mind that your needs are being met**

Outsourced payroll staff have the experience and skills to handle all payroll related requirements.



With the increasing demand for reliable payroll services, TWK decided to offer our clients professional, quick and quality payroll, tax and cashless cards services. With our many years of combined experience, TWK Payroll Services ensures a strong service offering to all our clients, so that business owners can free up time to focus on their core business. Our service packages can be tailor-made to meet your specific business unique business requirements.

**Reduce the administrative costs of your business**

The direct costs of processing payroll can be greatly reduced by working with a payroll provider. To establish how much, you can figure out how many labour hours your employees are devoting to payroll-related activities, calculate how much you are spending and compare the amount to the plans offered by TWK Payroll Services.

You will probably be surprised by the result. When you consider the cost of an employee's wages, then add in benefits, the costs of maintaining an in-house payroll team can really add up quickly. If you are the owner of a small to medium size company and you are trying to do payroll yourself or inhouse, the cost of the time spent is even greater.

If you outsource your payroll duties, you do not have to worry about your payroll processing company calling in sick, resigning, or wanting to take a vacation.

#### **Outsourcing can mean that you avoid SARS penalties**

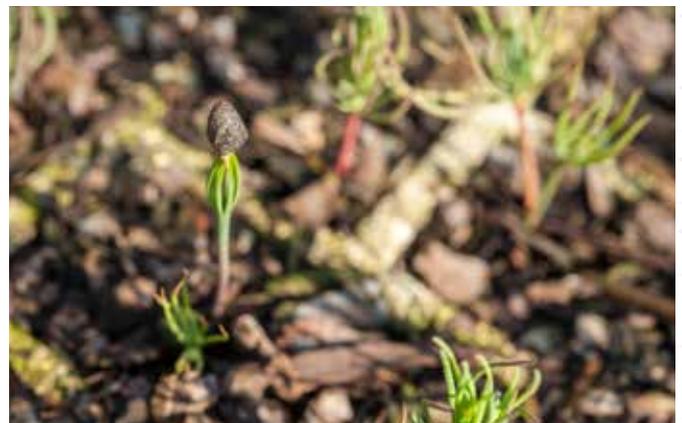
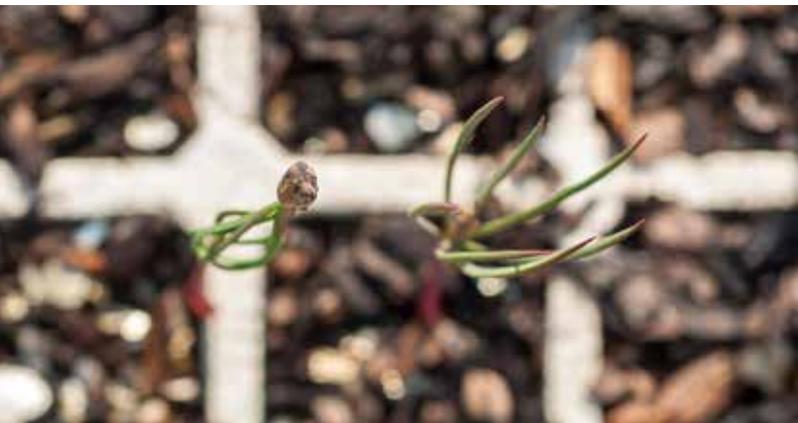
Penalties for errors, omissions or late payroll tax filings can be very costly. Mistakes lead to audits and penalties; these are all situations no business wants or needs. Additionally, government rules and regulations are always changing, and business owners cannot be expected to stay on top of these changes. Professional payroll providers, on the other hand, must stay current with rules, regulations, and changes in tax rates. A good payroll-services provider is far less likely to make a serious error than your in-house staff. Moreover, many outsourced payroll providers calculate payroll taxes, manage filings and payments, and will assume the cost of penalties due to incorrect calculations or late payments – provided you have provided the necessary information and funds on time.

#### **An on-hand team of experts**

Keeping abreast of national and industry-specific regulation changes can be a real challenge. A reputable outsourced payroll provider has a staff dedicated to keeping up to date on all the changes that could affect your payroll, ensuring that you are compliant and stay ahead. By outsourcing payroll, a small business can take advantage of expertise that has previously only been available to big companies. The most valuable payroll companies have a team of experts who handle many areas of Human Resources and Payroll. Make sure you engage with a qualified team of experts who can administer all the aspects of your HR and payroll needs.

#### **Outsourcing can offer opportunities for enhanced security and privacy**

Payroll processing is a complex and potentially risky business operation. Even with long time trusted employees, there is always a risk of identity theft, embezzlement of funds, or employees tampering with company files for personal gain. Most payroll services have technologies that can spot and alert clients to various types of payroll fraud. Additionally, online payroll solutions offer a "safe haven" for your confidential payroll data. In addition to redundant backup and multiple server locations, a quality payroll provider invests in state-of-the-art systems for storing and protecting data, simply because it is part of the service provided to clients.



***“The direct costs of processing payroll can be greatly reduced by working with a payroll provider.”***

#### **Avoid technology development costs**

A constant question for small business owners is whether they have the latest version of their payroll software and the most recent tax tables installed on their computer. Using the wrong tax tables can result in severe penalties. Paying a maintenance fee and having to upgrade software is a continuous fixed cost. Outsourcing payroll removes those costs / headaches and keeps payroll running smoothly.

#### **TWK's offer of cashless cards increase safety**

TWK Cashless cards provide a simplified solution to pay employees without bank accounts, to create a safe cashless environment.

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# TWK Payroll Services in a nutshell

## We offer:

- Prepaid debit cards.
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- Anytime payments.
- Specialist support.

## Additional Services:

- Basic employment contracts;
- WCA assistance and reporting;
- Employment equity reports;
- Statutory posters BCEA, EE and LRA;
- Obtaining income tax numbers for employees;
- Assistance with personal tax returns;
- Separate executive management payroll.

By making use of our service, clients will automatically enjoy the following benefits:

## Cost savings:

- Employment tax incentive;
- Lower bank transaction costs;
- Accurate leave management;
- No software costs or annual fees.

## The client will be responsible for:

- Collecting data and forwarding to TWK;
- Confirming reports and statutory payments;
- Making payments with an electronic bank file.

## We will also take responsibility for the following:

- Preparing electronic tax certificates;
- Preparing IRP5 and IT3 certificates;
- Preparing and reviewing the E@syfile import file for mid- and end-of-tax-year processes;
- Keeping up to date and in line with statutory requirements;
- Data back-up and safekeeping;
- Records to be kept by TWK for five years.

## We ensure your full compliance with:

- Sections 31, 32, 33 and 35 of the Basic Conditions of Employment Act, 75 of 1997;
- Unemployment Insurance Amendment Act, 32 of 2003;
- PAYE statutory regulations;
- Income Tax Act, 58 of 1962.

## We abide by legal and best-practice principles:

- It is a requirement that all earnings and monetary benefits (either in cash or in kind) that an employee may receive must be processed through the payroll;
- We are obliged to conduct the payroll outsourcing on your behalf in a transparent and auditable way;
- As your outsourced payroll provider, we may be requested by the South African authorities to complete certain remuneration-related questionnaires on your behalf. If, and when, requested to do so, the questionnaires will be completed accurately and truthfully. ■

## Our Services

- Basic employment contracts
- WCA assistance and reporting
- Employment equity reports
- Statutory posters BCEA, EE and LRA
- Obtaining income tax numbers for employees
- Assistance with personal tax returns
- Separate executive management payroll

**By making use of our service, clients will automatically enjoy the following cost saving benefits:**

- Employment tax incentive
- Lower bank transaction costs
- Accurate leave management
- No software costs or annual fees

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# Protected Environments and the Farmers That Farm Them

By Cornelia Vermaak

**Over the last decade, many farmers have been approached in several areas to form part of local Protected Environments. But what are they and how could they impact farmers?**

**F**armers all have a morning ritual before heading out for the day. With a cup of coffee in hand and looking out the window over the horizon at crops and the animals grazing, every farmer knows the joy of watching the sun start to rise, and the birds begin to sing.

Farmers live and work alongside nature. They know their land; they understand what they have to work with, and they usually know the fauna and the flora in the area very well. When something is wrong in nature, they are some of the first people to pick it up.

Over the last decade, many farmers have been approached in several areas to form part of local Protected Environments. Some of these Protected Environments are quickly gaining popularity amongst eco-tourists (such as birders, for example).

But what are these Protected Environments? And more importantly, how will they affect the way farmers do what they do best: farm?

### **Working with farmers to enhance natural sustainability**

Protected Environments, backed by provincial government departments as well as organizations such as World Wildlife Fund (WWF), Bird Life South Africa and the Endangered Wildlife Trust, work with farmers to ensure proclaimed areas are protected for the future.

The aim is to encourage farming alongside nature, and to promote conservation.

Farming forms part of nature, not the other way round. As farmers, we need not destroy nature to farm. By making some small changes, we can ensure nature still thrives alongside our normal farming routines.

As farmers we are generally very cautious and have a long list of fears and concerns when it comes to how we farm.

Asking these questions isn't a bad thing, and you are

not alone in asking them.

Angus Burns, who holds the national portfolio with WWF in South Africa and who works closely with these Protected Environments, puts farmers at ease by saying that they aim to work alongside farmers and not to prescribe farmers what to do.

Essentially, Protected Environments are mechanisms to prevent sustainable farmland from being changed into non-sustainable land.

This might seem a tad tricky, but in the end, it is quite straight forward. The World Wildlife Fund, Bird Life SA and the Endangered Wildlife Trust, as well as the other groups involved, are not out to make things hard for farmers. And, the process isn't all that complicated for farmers to follow and even join.

Farmers may know, or might even not know, of species on their farms that are endangered. These species, whether fauna or flora, may only require minimum attention, or even in some cases it is simply awareness that is needed, so they can be left in peace to thrive.

### **The benefits of joining a Protected Environment**

Being part of a Protected Environment, such as Kwamandlanganphisi Protected Environment in the Lunenburg area, Dullstroom's Greater Lakenvlei Protected Environment, the Sneeuwberg Protected Environment in the Memel area or any one of the Protected Environments in the country, should not be something that farmers shy away from.

***"Depending on your area's Protected Environment, support can come in the form of courses for workers for fighting fires, assistance in adequately protecting endangered species, and help handling alien plants."***



Image by Mome Pretorius - Sneeuwberg PE & Seekoeivlei Nature Reserve



*“Joining a Protected Environment does not mean that farmers lose their right to farm their farms as they see fit. But conservation – which is a global priority – is not a burden.”*

Image by Mome Pretorius - Sneeuwberg PE & Seekoeivlei Nature Reserve

Benefits of being members of these Protected Environments differ from region to region. Depending on the area's particular Protected Environment and how strong the support and foundations are, support can come in the form of courses for workers for fighting fires, assistance in adequately protecting endangered species, and help handling alien plants.

It does however ask for a mindset change. Instead of putting out poison, farmers are encouraged to look for greener solutions that won't cause damage or death to innocent animals and birds.

Instead of doing earth moving that will destroy

a habitat, farmers can tweak their plans to accommodate or improve the habitat whilst still allowing farming activities.

One can consider using a dip for livestock that's oxpecker friendly even (a small change that helps the environment tremendously and they are easy to spot on the shelves, just check for the small logo on the products' labels).

Or a farmer might need to take a stand against illegal hunting and the illegal trade in animals (and flora), which would also help the country reduce environmental crime.

Joining a Protected Environment does not mean that farmers lose their right to farm their

farms as they see fit. Farmers can still plant their crops and farm with their livestock.

But conservation – which is a global priority – is not a burden when farmers are working alongside the organizations that are giving their full support to our efforts.

**It starts with small steps – simple awareness and responsiveness**

When you take the time to pay attention to what is going on around you, you may notice birdlife flourishing in an area. On the other hand, you might even notice as you pass your crops that there are snares in the fences or that poison is killing innocent birds.

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# Summer Cattle Mix

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Barenbrug's Summer Cattle Mix is high-yielding, with better digestibility than other hay crops. It's a three-way, versatile mix of indigenous grasses, Smuts, Rhodes and Panicum. The contribution of each sub-tropical grass in the mix has been tried and tested to give the best results for soil cover and yield in warmer areas and is drought resistant.

Smuts (*Digitaria eriantha*) cultivar, Irene, will ultimately dominate the mix and contribute significantly to the high yield. It should be left in the first year to self-seed (January) to bulk up the plant population. Smuts can be effectively grazed or cut and baled for hay. It will take a day longer to dry than *Eragrostis curvula*. Smuts can also be left to grow to shoulder height and used as foggage through winter as a standing hay. It is best to strip-graze and not allow livestock to graze too hard. Smuts is a hardy perennial and widely adapted across SA climate and soil types.

Rhodes grass (*Chloris gayana*) cultivars, Tolgar and Panicum, (*P. coloratum* 'Klein Verdi' or *P. maximum* 'Gatton') are quick establishing. They are in the mix to prevent soil erosion, and the cover provides early grazing for livestock. Quick establishment also suppresses weeds. Both Rhodes and Panicum survive well in dry circumstances. Rhodes grass creates a micro-climate into which the Smuts and Panicum are effectively established.

Grass Variety	Cultivar	Seed kg/ha	% in Mix
Smuts Finger grass	Irene	13	65%
Rhodes grass	Tolgar	7	25%
Panicum	Klein Verdi	3	10%

Summer Cattle Mix is made up of coated seed which improves germination and makes it easier to calibrate the planter. Plant shallow into a fine, firm seedbed and roll well. Establish in early summer when soil temperatures reach 16°C and rain is expected.



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Because Engol's core purpose is to protect, solve and exceed through the supply of quality lubricants, it also supports customers in the agricultural sector via expert service, ongoing advice and technical support.

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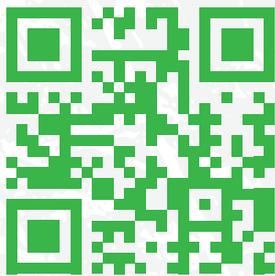
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# Addressing fire risks in and around your home

**Fire is one of the major causes of outright insured losses in South Africa, yet it is also one of the most underestimated and underinsured risks. Your home and everything in it are likely to constitute your single biggest investment, so make sure you take all the necessary fire mitigation steps, and that you are correctly insured for a worst-case scenario.**



“ Drought conditions and water restrictions in many parts of the country, faulty electrical installations and wiring, substandard and non-compliant electrical appliances and fittings, unattended electrical appliances such as heaters and fireplaces and even climate change are some of the leading causes of fires in homes that can lead to devastating losses. The precarious state of many municipalities, and in turn fire-fighting capacity and equipment, could also see the outright loss of your assets rise exponentially should a fire break out, as these systems may not be reliable or even arrive on time for fire-fighting purposes,” explains Mandy Barrett of insurance brokerage and risk advisors Aon South Africa.

Taking the necessary precautions to prevent a fire from starting is foremost, as is insuring your fixed and moveable assets for an outright loss should the worst occur. Aon South Africa provides a handy check list of what you need to know about fire risks and insurance:

## #1: Faulty Wiring and Appliances

Faulty wiring and appliances are the leading cause of fires at homes. That is why it is crucial to always utilise the services of a qualified electrician to ensure that any electrical work is done correctly according to standards and that you get a certificate of compliance for any work done.

## #2: Overloading and unattended appliances and fireplaces

- Overloading sockets with too many adaptors and/or extension cords can potentially cause a fire. Hair styling tools such as flat irons also pose a risk. Always make sure that you unplug these devices once done and use a heat proof mat.
- Never leave electrical devices such as ovens, heaters and fans on and unattended in your home. The likes of ‘fairy lights’ also pose a fire risk if they overheat and should be unplugged if you are not home.
- An additional risk is that posed by load shedding – always check to see that switches and devices are turned off during loadshedding so that when power does return, you don’t have any devices coming back on that could be a fire risk.
- Candles and fireplaces are a significant fire risk and should never be left unattended. Keep all flammable items away from any open flames and never leave unattended.
- When it comes to home fireplaces, have your chimney flue cleaned regularly for ventilation and fire mitigation, don’t place any combustible or flammable objects close

to the fire, such as carpets, blankets, curtains and the like. Use a fire screen to prevent any cinders or sparks from flying across the room and never leave a fire unattended.

## #3: Gas Safety in and around your home

- Thanks to loadshedding and rocketing electricity prices, the inclusion of gas appliances in our households such as fireplaces, heaters and ovens are becoming very popular. It also means that we’re storing more gas-filled bottles on our properties that could potentially pose a fire risk. In fact, you may not even be aware that there is a SANS regulation that stipulates the amount of gas you are allowed to store in and around your property:

### For flats, townhouses and cluster homes:

- =< 9kg gas bottle can be stored inside a building.
- > 9kg gas bottle must be stored outside a building.
- Freestanding house:
- =< 19kg gas bottle can be stored inside a building.
- > 19kg gas bottle must be stored outside a building.

Many of us store a back-up bottle of gas in the garage and the most crucial part to note is that if your garage adjoins your home, then the limitations set on indoor gas storage includes your garage.

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 **COUNTRY BIRD  
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- Remember that gas is a fire propellant, so these regulations are there to protect you and reduce the amount of 'fire fuel' on your premises. Your insurance policy will also stipulate the amount of gas that can be stored on your premises – make sure to check these terms and conditions in your policy to ensure that you are in good standing with your insurance safety requirements at home.

#### #4: Clean out the clutter

Minimise your home's risk of fire by cleaning out the clutter – or fire fuel - to rid your home of unnecessary flammable materials such as leaves, dead branches and trees, boxes, leftover paint and chemicals and the like. Give your garden shed and garage a regular clean out and make sure that any chemicals and the like are stored safely.

#### Insure for a worst-case scenario

Make sure that your home and moveable assets are insured for replacement value. Market value is what you are likely to get in the open market if you sold your home today. However, the replacement value is about what it would cost to rebuild your home as it stands at today's building prices. This will include additional costs such as demolition and professional fees and removal of debris, new architectural plans and so on need to be factored into the equation.

Don't forget to insure the contents of your entire home, not just what you think may be lost or stolen as a result of an insured peril such as a

burglary. A fire is a completely different story and has the potential to destroy everything in your home. A professional assessment arranged through your broker is an invaluable exercise to get to an appropriate insured value as very few people realise how much value they amass in their homes over the years.

"Remember, if your home is underinsured at the time of a major catastrophe, such as a fire, you may only be paid partially for the loss due to the average formula being applied. For example, if you insure your household contents for R250,000 but the replacement value is actually R500,000, you may only be paid 50% of the claim value. Likewise, if you have your home insured at the value you bought it for years ago, you could find yourself seriously underinsured for its appreciated value at today's prices, as well as for any improvements and renovations you may have done over the years. This is where the help and guidance of an expert broker is invaluable to ensure that your most prized possession is correctly covered, no matter what comes your way," concludes Mandy.

Source: AON  
TS Communications ■

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# We need you! Lend your voice to citizen science and help save a species

By Dr Jarryd Alexander – Mabula Ground Hornbill Project

**The Mabula Ground-hornbill Project is calling for more champions to help monitor and conserve this precious South African species. It's easy for you to join this growing team of citizen scientists.**

The Mabula Ground-hornbill Project officially kicked-off the Southern Ground-hornbill National Monitoring plan in 2020, in an effort to better and more frequently monitor Southern Ground-hornbill populations throughout South Africa, specifically outside of protected areas.

We knew this would be a momentous task for our small team of seven dedicated conservationists at the time, so we put out calls all over the country for help from people and organisations on the ground in areas shared with Southern Ground-hornbills.

These calls were answered and are still being answered by many interested people and parties, committed to helping to conserve this iconic species. These individuals and groups have become known to us as our "champions", because that is exactly what they are.

Our champions are not defined by any criteria, and they range from individual community members all the way up to large international corporations. They are united by one driving goal: to save a species.

At the end of the first year, we had grown our champions to 18 groups in all four provinces occupied by Southern Ground-hornbills.

Through this growth of citizen scientists, the national monitoring plan was producing around 150 sightings each month, and 10 new pentads in which Southern Ground-hornbills had never been observed.

In January last year, we set ourselves a goal to identify 25 new pentads inhabited by Southern Ground-hornbills, with no idea how the plan would unfold. By the end of the year, we had identified a staggering 120 new pentads and had received over 2 000 Southern Ground-hornbill sightings.

This was just the beginning. Into 2021, even with COVID still trying to hold everyone back, we continued to

spread our reach and managed to grow our champions groups to over 50, all providing sightings daily.

We have also found that champions are now growing their groups unaided and that word of mouth and the awareness raised for Southern Ground-hornbills is resulting in the formation of champions groups without the Mabula Ground-hornbill Project having to drive the process. It is this perpetuating and self-sustaining process that is necessary to protect the species.

## **A big thank-you to TWK customers – and a new invitation for more champions**

One of the reasons the national monitoring and champions programme has grown so well and reached so far is because of the commitment that TWK made in October 2020, when they offered us the opportunity to post an article in their magazine, calling for all their loyal customers to keep an eye out for Southern Ground-hornbills and to send their sightings our way.

The response has been incredible. In just over eight months more sightings of Southern Ground-hornbill have been submitted in the KwaZulu-Natal region than in the time before TWK published our article.

Many of the members who are providing sightings and requesting that we setup their champions groups have confirmed that they saw our initial

***"We desperately need more information from customers in central (Greytown, Mooi River, and Winterton) and northern (Dundee, Vryheid, and Pongola) KwaZulu-Natal. These areas are naturally less populated by Southern Ground-hornbills, but that is not to say they are not there."***



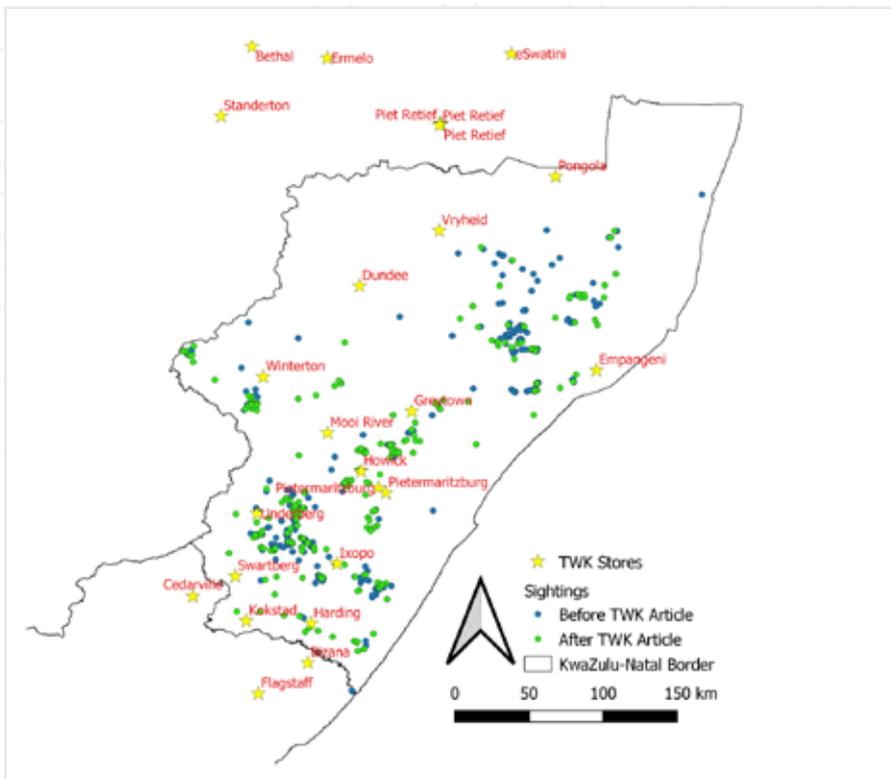
A male Southern Ground-hornbill photographed by one of our Champions; Andrew Smith as he foraged in the sugarcane ruts in the Dalton area. The birds utilise many different habitat types for their survival, with sugarcane being a great place to hunt down rodents and snakes.



These inquisitive Southern Ground-hornbills were investigating Sandy Hanbury's water pump in the Howick area, possibly searching for frogs or insects attracted to the water. As we know, these birds are always searching for food to try and keep their alpha female fit and full for the breeding season.



Southern Ground-hornbills have huge territories, in excess of 50km<sup>2</sup> so naturally cover many different habitat types. This group was photographed by Rolf Beire in between farms in the Bulwer area. Short grass is their favourite as they can find prey easily and this is often why they are seen in burnt sugarcane fields or harvested pastures.



article, and this can be further confirmed by the sightings received in areas surrounding TWK stores and depots, as seen on the map above.

It is great to see the clusters of sightings surrounding the TWK stores, but our hope and need is that TWK customers in the empty areas come onboard and let us know if, and when, they see these birds.

We have found that our best response has come from TWK customers around the Harding, Howick, and Underberg stores, in the southern sectors of KwaZulu-Natal, but there is still room for improvement.

We desperately need more information from customers in central (Greytown, Mooi River, and Winterton) and northern (Dundee, Vryheid, and Pongola) KwaZulu-Natal. These areas are naturally less populated by Southern Ground-hornbills, but that is not to say they are not there.

After witnessing the current success, we want to reach out again to let all those that contribute know how grateful we are and how much this is helping improve Southern Ground-hornbill conservation.

We also want to try to attract the attention



and interest of other TWK customers operating in the KwaZulu-Natal, Eastern Cape, and even eSwatini regions, who might not have seen the initial article.

Please also report sightings of the birds or put us in contact with any of your contacts in areas other than those previously mentioned; every sighting is important to us, and every one contributes to the survival of the species.

**How to report a sighting in your area to us**

The best way for interested individuals and organisations to get involved is to contact us or send your sightings to the Hornbill Hotline via SMS or WhatsApp (+27797546234) or email us at [research@ground-hornbill.org.za](mailto:research@ground-hornbill.org.za). ■



# What you need to know about the new Protection of Personal Information Act

We asked members of the public a few questions about the new PoPIA, and then compared their perceptions to informed answers from an expert on South Africa's new data protection law.

## 1. Interviewer: What is the PoPIA?

**Public:** Surely you mean WHO, not WHAT. Isn't it a female person?

**Expert:** PoPIA is the abbreviation of the Protection of Personal Information Act.

## 2. Interviewer: Tell me more ...

**Expert:** The PoPIA is the latest comprehensive data protection legislation enacted in South Africa. It aims to give effect to the constitutional right to privacy, whilst balancing this against competing rights and interests, particularly the right of access to information.

## 3. Interviewer: When did the PoPIA happen?

**Public:** Only on the 1st of July 2021.

**Expert:** Yes, the deadline for PoPIA to come into full force was 1 July 2021. But we have to remember this is about eight years after it was enacted in 2013. Given this long period of time that we had to get the PoPIA compliant, the Information Regulator did not extend the deadline again.

## 4. Interviewer: Who is this Information Regulator?

**Public:** Pansy Tlakula.

**Expert:** No, Advocate Faith Dikeledi Pansy Tlakula popularly known as Pansy Tlakula is the Chairperson of the Information Regulator of South Africa.

The Information Regulator is a juristic body that will be appointed in terms of PoPIA and will have wide ranging powers and duties including:

- to educate the public about POPI;
- to monitor and enforce compliance with POPI;
- to handle complaints about alleged violations of the protection of personal information of data subjects (you and I and also legal entities);
- to attempt to resolve complaints by means of dispute resolution mechanisms such as mediation and conciliation; and
- to issue, from time to time, codes of conduct and make guidelines to assist bodies to develop codes of conduct or to apply codes of conduct.

## 5. Interviewer: What are the sanctions for non-compliance of PoPIA?

**Public:** Nothing !!! I have not seen any fines being issued.

**Expert:** Sanctions include fines and imprisonment as well as administrative fines up to R1million.

## 6. Interviewer: To whom does the PoPIA apply?

**Public:** Just marketing people who send junk mail.

**Expert:** No, there are very few businesses in South Africa that will not be impacted by the PoPIA as it applies to:

- any public or private body or any other person which, alone or in conjunction with others, determines the purpose of and means for processing personal information; and
- any person who processes personal information for a responsible party in terms of a contract or mandate, without coming under the direct authority of the responsible party.

It's important to remember that if you employ staff, you hold their Personal Information in terms of the Labour Legislation and so this applies to you.

## 7. Interviewer: Does the PoPIA also apply to Personal Information of Companies?

**Public:** No. only to us as Individuals.

**Expert:** Yes, the PoPIA applies to us as Individuals BUT also to Personal Information of Companies.

## 8. Interviewer: What is the crux of the PoPIA?

**Public:** There are 8 pillars in the PoPIA.

**Expert:** Yes, 8 pillars is correct - it's actually called the 8 principles of PoPIA and they are:

- **Principle 1: Accountability**
- **Principle 2: Processing Limitation**
- **Principle 3: Purpose Specification**
- **Principle 4: Further Processing Limitation**
- **Principle 5: Information Quality**
- **Principle 6: Openness**



- **Principle 7: Security Safeguards**
- **Principle 8: Data Subject Participation**

The important principle for individuals (consumers) is Principle 8 because it empowers us as individuals to access and/or request the correction or deletion of any of our personal information held by others that may be inaccurate, misleading, or outdated.

The ultimate goal of the PoPIA is to protect data subjects (you and I) from security breaches, theft, abuse without our consent and discrimination in relation to our Personal Information.

**9. Interviewer: We talk about Personal Information, but what is included in this?**

**Public:** My name and tell/cell number.

**Expert:** Yes, but Personal information is much more than just that. It is extremely widely stated in PoPIA and includes any information that can identify a person or business.

- Examples, but not limited to: any identifying number, symbol, e-mail address, physical address, telephone number, location information, online identifier or other particular assignment to the person, race, gender, sex,

pregnancy, marital status, national, ethnic or social origin, colour, sexual orientation, age, physical or mental health, well-being, disability, religion, conscience, belief, culture, language, birth of the person, education, or the medical, financial, criminal or employment history of the person.

**10. Interviewer: We talk about Special Personal Information; what is that?**

**Public:** My criminal record.

**Expert:** Yes, but Special Personal Information is much more, it includes amongst other: the religious or philosophical beliefs, race or ethnic origin, trade union membership, political persuasion, health or sex life or biometric information or the criminal behaviour of a data subject.

To process (collect, gather, store etc) such information one would need Special Permission.

It is also strictly forbidden to process information on children (people under the age of 18) unless the Parent or Legal Guardian consented to the processing.

**11. Interviewer: So what is this "Processing"?**

**Public:** Sending my Personal Information to another Company.

**Expert:** We must remember that "Processing" is very broad and includes a vast number of activities whether undertaken by automatic means or not, concerning your Personal Information.

In fact, just gathering and storing your Personal Information, also called a "Record", and it constitutes "Processing".

**12. Interviewer: OK, so what is a "Record"?**

**Public:** Making a file of my Personal Information.

**Expert:** A "Record" is any recorded information, regardless of form or medium, in the possession or under the control of a responsible party (the one who collected the Personal Information from you as the Data Subject), whether or not it was created by a responsible party and regardless of when it came into existence.

**13. Interviewer: What about Personal Information being sent out and into South Africa?**

**Public:** Yes, they did send my bank balance to an ATM in Germany to draw money there.

**Expert:** Yes, that is correct, but there are restrictions on the sending of personal information outside South Africa as well as on the transfer of personal information back to South Africa.

The applicable restrictions will depend on the laws of the country to whom the data is transferred or from where the data is returned.

Germany for instance falls within Europe, and in Europe the General Data Protection Regulations of the EU applies.

**14. Interviewer: How do I stay clear of marketers and WhatsApp groups etc.?**

**Public:** This irritates me endlessly.

**Expert:** If you find yourself on one of these data bases or groups and you don't want to be on, simply delete yourself from the group, or opt out.

In future you must opt in to receive marketing mails, and you must join a WhatsApp group; you may not be added without your consent.

**15. Interviewer: Last question - how long may other people hold my data?**

**Public:** Seems like a life sentence.

**Expert:** Subject to exemptions provided for in POPI, personal information must not be retained (any) longer than (is) necessary for achieving the purpose for which the information was collected.

In addition, if a responsible party has used the personal information of a data subject to make a decision about the data subject, it must retain the record for only such period as may be required or prescribed by law or a code of conduct.

If there is no law or code of conduct prescribing a retention period, it must retain the record for a period which will afford the data subject a reasonable opportunity to request access to the record.

A responsible party must destroy or delete a record of personal information or de-identify it as soon as reasonably practicable after the

responsible party is no longer authorised to retain the record.

**Expert:** In summary, if in doubt about how the PoPIA affects you or your company, you can contact experts in the field of data privacy if you (Responsible Person) have a need to hold data (Personal Information) on people (data subjects) for whatever reason.

One must comply fully with the requirements of PoPIA to be able to collect, gather and hold data of Data Subjects. Part of the requirements are that your entity must appoint an Information Office and that person must draft a Data Framework with Policies and Manuals.

**16. Interviewer: So who can we turn to for help?**

**Expert:** Speak to: **Eugenè Joubert at Corporate Rebels**

Cell no: 082 926 0251, or email him at: eugene@rebels.co.za

He can help you on your "Road to become PoPIA compliant" at very reasonable rates. ■

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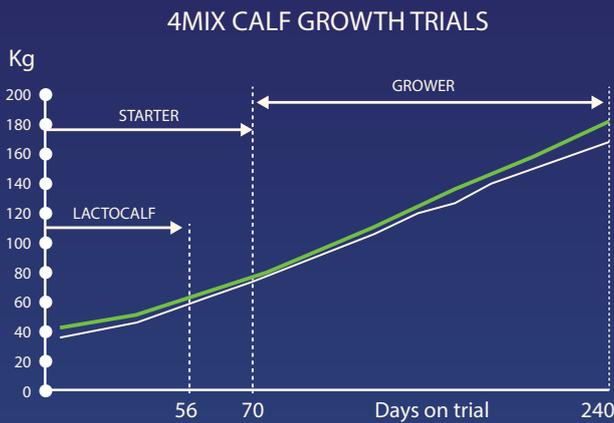
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# Organiese OEMF vir jou tuin met PROTEK NUTRIGREEN

Organiese bemesting is die oudste vorm van plantvoeding en word vandag nog net so ywerig deur tuiniers gebruik.

Protek se NutriGreen-reeks bestaan uit organiese- en organiesgebaseerde korrelmisstof gemaak van verkomposteerde pluimveemis wat met koolstof (C) verryk is en is vry van patogene, parasiete en onkruidsaad.

Organiese misstof is van nature stadigvrystellend en die ekstra koolstof verbeter die verbinding van die plantvoedingselemente met jou tuingrond, dus verhoed dit dat die misstof in die grond loog. Ten spyte van die feit dat die misstof 'n lang werking in die grond het, blus die korrels wanneer dit natgemaak word, dus sal dit nie deur die grassnyer opgetel word nie.

Die koolstof word in die korrel geformuleer en gee nie af nie, daarom sal dit nie jou hande swart vleek of sal die kinders en troeteldiere nie jou meubels en vloere swart besmeer nie!

Organiese misstof bevorder die aktiwiteit van mikro-organismes in die grond wat op hul beurt die plantvoedingselemente afbreek tot in die vorm waar dit beskikbaar is aan plante om te gebruik. Gereelde bemesting met 'n organiese misstof versterk die selwande van jou plante wat veroorsaak dat die plante minder water benodig en ook baie meer gehard is teen uiterse temperature.

NutriGreen Gwano Pellets, NutriGreen Gro Green en NutriGreen Flower Power bevat die 3 belangrikste plantvoedingselemente nl: stikstof (N), fosfaat (P) en kalium (K) asook al die mikro-elemente wat plante benodig vir gesonde groei, bv yster (Fe), mangaan (Mn), koper (Cu), sink (Zn) en boor (B), om maar net 'n paar te noem.

- NutriGreen Gwano Pellets is 'n 100% organiese algemene misstof en kan in blombeddings, groente- en kruie-tuine en ook op grasperke toegedien word en is ideaal vir bome, struik en blom- en vrugdraende plante.
- 80% van alle tuine bestaan uit grasperke en loofplante en om te verseker dat hierdie plante welig groei en pragtige groen blare het, moet hulle gevoed word met 'n kunsmis wat rijk aan stikstof (N) is. NutriGreen Gro Green is 'n organies-

gebaseerde misstof wat onder andere met stikstof (N) verryk is om ekstra blaargroei te stimuleer.

- Vir groot, kleurvolle blomme en rose wat lank blom, voed jou plante met NutriGreen Flower Power organies-gebaseerde misstof wat onder andere met kalium (K) verryk is om blom- en vrugvorming te bevorder. Dit is ideaal vir rose, blomplante, vrugtebome asook groente.

Of jy nou 'n "groen" tuinier is of nie, die NutriGreen-reeks is die ideale organiese voeding vir jou hele tuin!

Geregistreer in terme van Wet 36 of 1947

- Gwano Pellets: N 21 g/kg, P 32.5 g/kg, K 27.6 g/kg, Zn 2000 mg/kg, Cu 70 mg/kg, Mo 4500 mg/kg, Fe 2200 mg/kg, B 1200 mg/kg, Mn 1000 mg/kg C 350 g/kg, Groep 2 misstof, reg nr B4904;
- Flower Power: N 48 g/kg, P 10 g/kg, K 36 g/kg, Zn 61 mg/kg, Cu 17 mg/kg, Mo 22 mg/kg, Fe 869 mg/kg, B 256 mg/kg, Mn 212 mg/kg, C 296 g/kg, Groep 2 misstof, reg nr B4652;
- Gro Green: N 39 g/kg, P 10 g/kg, K 40 g/kg, Zn 61 mg/kg, Cu 17 mg/kg, Mo 22 mg/kg, Fe 869 mg/kg, B 256 mg/kg, Mn 212 mg/kg, C 315 g/kg, Groep 2 misstof, reg nr B4655;

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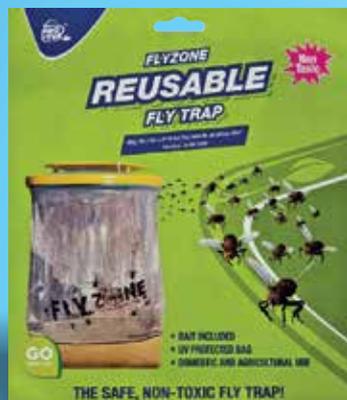


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# “We are in the Fourth Industrial Revolution”

By *Desiré du Plessis*

**If you haven't heard the term the Fourth Industrial Revolution (also referred to as 4IR or Industry 4.0) and how it will affect you, it's time to get up to speed.**

**T**he 4IR is both a scary and exciting period in which to live and work, a fascinating era that will - and is likely already - impacting your life.

If past Industrial Revolutions are anything to go by, society is set to undergo major and often painful processes of adaptation and change that could lead to job losses and entire industries disappearing. That's a scary prospect.

But, as with all periods of intense change, it is also a period of new opportunity, innovation, and job creation.

### **What is an Industrial Revolution?**

An Industrial Revolution is the term we use for a historical period where a major shift in manufacturing, the economy, or technology, transforms the world around us. This brings about a radical change in how and what we produce, how society is perceived, and how humans interact with each other and the world around them.

The processes and changes involved are often painful, resulting in the loss of traditional industries and sources of employment. However, these are also periods of innovation that have caused the world to develop; the steam engine, the phone, the car, the light bulb, the plane, computers, and the internet are all inventions that have been at the heart of such revolutions.

### **The first three Industrial Revolutions**

The First Industrial Revolution used water and steam power to mechanise production for the first time, driving social change as people became increasingly urbanised.

The Second Industrial Revolution came with electric power and other scientific advancements that created mass production.

The Third Industrial Revolution, beginning in the 1950s, saw the emergence of computers and digital

technology.

Each Industrial Revolution builds on the foundations, innovations, and technologies of the previous one.

### **The Fourth Industrial Revolution**

We are now in the Fourth Industrial Revolution (4IR), and it is radically changing the way we work, live, rule, and relate to one another.

The 4IR is building on the digital revolution of the Third Industrial Revolution by taking the automation of computers and digital technology to new levels.

It is blurring the boundaries between the physical, digital, and biological worlds, using technologies to perform tasks previously carried out by humans. (Think Apple's Siri, GPS systems, Facebook's ability to recognise your face and tag you in a friend's photo, drones, etc.)

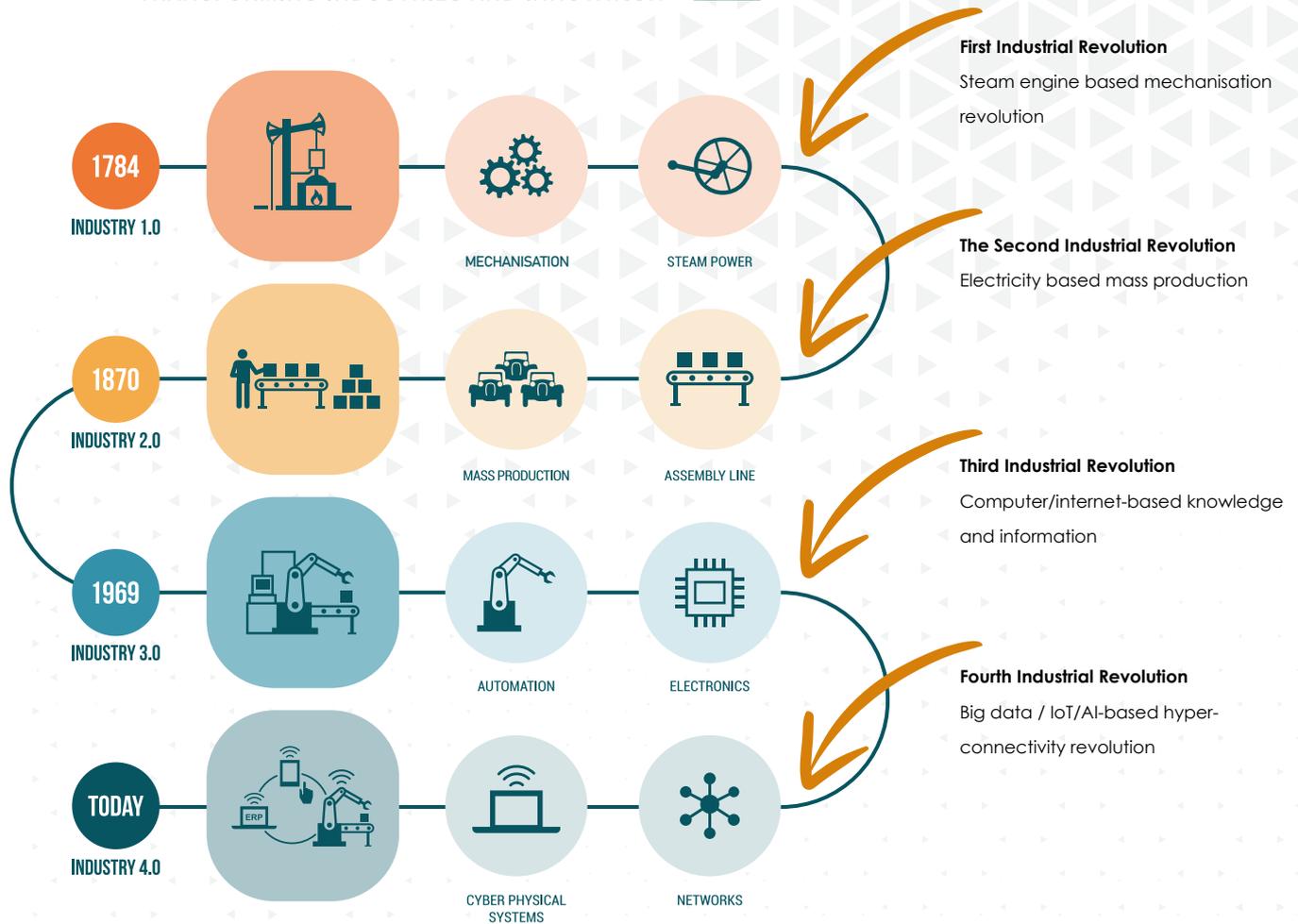
The easiest way to understand the Fourth Industrial Revolution is to focus on the technologies driving it. Breakthroughs in artificial intelligence (AI), robotics, the Internet of Things (IoT), 3D printing, genetic engineering, quantum computing, and other technologies are fusing to give us some of the many products and services that are fast becoming indispensable to modern life.

***“The easiest way to understand the Fourth Industrial Revolution is to focus on the technologies driving it.”***



# INDUSTRIAL REVOLUTION

TRANSFORMING INDUSTRIES AND INNOVATION



## Who coined the term “Fourth Industrial Revolution”?

The term “Fourth Industrial Revolution” was coined by Klaus Schwab, the Founder and Executive Chairman of the World Economic Forum (WEF). He also wrote a book of the same name.

## Know what this means...



### AUTOMATION:

When control systems such as computers, robots, and information technologies are used in an industry to replace human beings.

### AI (ARTIFICIAL INTELLIGENCE):

AI is the ability of machines or computer programmes to ‘think’, ‘learn’, and interact with their environment in a manner that is considered ‘intelligent’.

This ‘intelligence’ means they can recognise complex patterns, process information, draw conclusions, and make recommendations. AI is already all around us – think self-driving cars, drones, virtual assistants, software that translates or invests.

We interact with AI when we remotely order a cab, book a flight, buy a product, make a payment, listen to music online, stream a film,

or play a game – and our online behaviour assists in predicting or shaping what we are perceived to need.

### IoT (THE INTERNET OF THINGS):

IoT refers to the billions of physical devices around the world that are now connected to the internet, all collecting and sharing data. Super-cheap computer chips and access to wireless networks have made it possible to turn just about anything into a part of the IoT. For example, a lightbulb that can be switched on using a smartphone app is an IoT device.

Connecting different objects and adding sensors to them adds a level of digital ‘intelligence’ to devices that would be otherwise unintelligent, enabling them to communicate real-time data without involving a human being.

**ROBOTICS:**

The use of computer-controlled robots to perform manual tasks.

**GENETIC ENGINEERING:**

Genetic engineering is a process by which the genes of a living thing are modified, or changed. Genetic engineering has many uses, for example, it may be used to create helpful medical substances, such as vaccines, or to modify plants so they are resistant to insects or disease.

**QUANTUM COMPUTING:**

Quantum computing harnesses the phenomena of quantum mechanics (the study of very small things - atoms, protons, neutrons, electrons...) to deliver a huge leap forward in creating new ways of computing to solve complex problems.

**3D PRINTING:**

Also known as additive manufacturing, 3D printing is a process by which physical objects are created by depositing materials in layers based on a digital model. All 3D printing processes require software, hardware, and materials (plastics, resins, carbon fibre, metals, etc.) to work together.

3D printing technology can be used to create everything from prototypes and simple parts to highly technical final products such as airline parts, buildings, medical implants, and even artificial organs using layers of human cells.

**BIG DATA:**

Big data is a term that describes the large volume of data (information) that companies collect on a day-to-day basis that can be analysed for insights that lead to better decisions and strategic business moves. It is often so large, fast, or complex that it requires special statistical analysis and storing methods.

**VR and AR:**

Virtual Reality (VR) is the use of computer technology to create a simulated environment offers immersive digital experiences (using a VR headset) that simulate the real world. Augmented Reality (AR) merges the digital and physical worlds. For example, a make-up app that allows users to digitally experiment with

makeup products before buying them.

**Towards a new way of working and living**

The world of work is changing fast; a few years ago, social media, mobile banking, and 3D printing did not exist. Your grandparent likely did not have access to the internet or email at work – and definitely not a mobile phone!

Today, billions of people are connected by mobile devices, with unprecedented processing power and storage capacity. Our access to knowledge is unlimited. Human productivity is increased, and we can make smart choices, faster than ever before.

As with previous industrial revolutions, the Fourth Industrial Revolution will profoundly affect people's lives as AI and increased automation see many types of jobs disappear.

The futurist Thomas Frey predicts that humanity will change more in the next 20 years than in all of human history and we will experience the biggest job transition in history.

Entirely new categories of jobs are emerging. You as an employee or job seeker will have to cultivate the skills and capabilities necessary to adapt rapidly in this changing world.



*“The Fourth Industrial Revolution will profoundly affect people’s lives as AI and increased automation see many types of jobs disappear, while new jobs are emerging.”*

**Jobs that did not exist 10 years ago**

- Social media influencer
- Blockchain analyst
- YouTuber
- Telemedicine physician
- Cloud architect
- Uber/Lyft driver
- Drone pilot/operator
- Big data analyst
- E-sports game coaches
- TikTok marketer
- Online dating profile writer
- User Experience (UX) designer

**Will all traditional jobs disappear?**

Not likely – however, rapid change is our future, and it is inevitable. So, if you do not want to stay stuck in the past, you (and your children) should be ready for what comes next.

You can start by being open-minded, agile, digitally fluent, keeping your eyes open for new trends, integrating new technologies where possible in your life and business, and thinking strategically about your future.

It's also important to hone your soft skills; skills such as compassion, empathy, originality, creativity, and intuition still cannot be imitated by technology. ■



# The story of man's best friend stretches back over 20 000 years

By Annie Antonites

**The first animal that usually comes to mind if you think of a pet, is the dog. Archaeologists have yielded fascinating information into early relationships between humans and their canine companions.**

**D**ogs come in all shapes and sizes and there are more breeds of dog than any other animal on the planet. As "man's best friend", dogs play an important role in our lives – they protect us, keep us company and sometimes even work with us as farmhands and service dogs. We marvel at the trained dog that responds to his owner's whistle with exact comprehension, gently nudging a stray sheep back to the flock or finding signs of life under collapsed buildings.

We share our homes, food and sometimes even our beds with these loyal companions – and have done so for thousands of years.

***"DNA analysis showed that some of the oldest presumed dogs from the Western Cape – dating to the first millennium AD – were in fact black-backed jackals."***



to follow people as they tracked migrating herd animals such as reindeer. Over time, the proximity to humans could have altered the wolves' behaviour to the extent that they became domesticated.

#### **Theories about why people began to train dogs**

One of the more popular explanations why people began to domesticate dogs, is that people used tame wolves or 'protodogs' as hunting aids. The dogs could help to track, ambush, flush and bring down prey, while also keeping other scavengers at bay.

Dogs often feature in ancient rock art depictions of hunting scenes. In 2017, archaeologists discovered images in Saudi Arabia of domesticated dogs helping people to hunt ibex, gazelles, and wild equids.

The rock engravings could be at least 8 000 years old and are some of the earliest depictions of domesticated dogs. There are lines that connect a few of the dogs to people, perhaps representing leashes; some of the dogs were controlled and perhaps used for specific tasks during the hunt.

***"The ancestors of domesticated dogs were from a now-extinct wolf population, and not the present-day grey wolf, as is commonly thought."***

#### **How dogs were first domesticated**

Dogs were the first animals to be domesticated. It is widely accepted that domestication took place more than 15 000 years ago in Eurasia.

However, recent genetic research suggests that dogs may have been domesticated around 23 000 years ago in northern Siberia. Unfortunately, no actual remains of these older dogs have been excavated yet.

The ancestors of domesticated dogs were from a now-extinct wolf population, and not the present-day grey wolf, as is commonly thought. These wolves may have been attracted to the carcasses or meat scraps that hunter-gatherers left behind at kill sites or in the vicinity of their shelters.

Such encounters may have turned into a more permanent presence as the wolves started to take advantage of a predictable food source. Some wolves may even have left their home territories



2500-year-old bronze statuette of a dog from the ancient Italian Etruscan civilization (Courtesy J. Paul Getty Museum).

There are also scholars who argue that dogs were companion animals from the start of the domestication process, but this is difficult to prove.

However, we do know that dogs were considered special in some societies, as can be seen in the occurrence of ancient dog burials from southeast Asia, Americas, Europe and Africa.



17th century etching of a dog chasing a wild boar by the Italian artist Stefano Della Bella (Courtesy National Gallery of Art, Washington).

The oldest known dog burial was discovered in Bonn-Oberkassel, Germany and is almost 15 000 years old. The dog was buried with two humans and their bodies ritually

covered with red haematite powder.



An Egyptian hunting dog figurine made from elephant ivory, ca. 1390–1353 BC. The mouth can be opened and closed using the lever beneath the chest (Courtesy Metropolitan Museum of Art).

A group of researchers from the Netherlands, Belgium and Germany recently found that the dog had been only seven months old when it died and had suffered a serious distemper infection earlier during its short life.

The dog would not have survived without human intervention, thus providing evidence that some dogs were not just considered useful,

but they were also cared for early on in our shared history.



One of the earliest depictions of domesticated dogs, discovered in Saudi Arabia. The dogs are assisting hunters to kill a wild equid (New York Times).

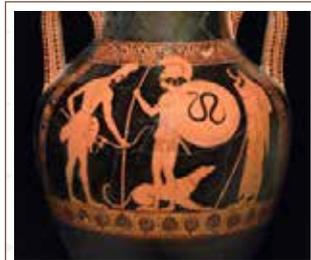
**DNA analysis sheds new light on ancient dogs in southern Africa**

Hunter-gatherers lived across southern Africa during the Later Stone Age and have a history stretching back around 30 000 years. Yet no dog remains have been identified from any of the deposits they left

behind and their rock paintings of dogs are also comparatively recent.

The current archaeological evidence suggests that dogs were only widely adopted by hunter-gatherers after they were brought to the region by African farmers or perhaps Khoi pastoralists.

The earliest evidence for domestic dogs in South Africa comes from an early African agro-



2500-year-old Greek amphora showing a young warrior with a dog (Courtesy Trustees of the British Museum).



A rock painting of a hunter-gatherer and three dogs from Jamestown in the Western Cape (Source: Art on the Rocks of Southern Africa, 1970)

***“The oldest known dog burial was discovered in Germany and is almost 15 000 years old. The dog was buried with two humans and their bodies ritually covered with red haematite powder.”***

pastoralist (or “Iron Age”) village in Limpopo Province called Diamant, which is about 1 500 years old.

Dog remains have also been found at other first millennium AD settlements in the Limpopo Valley, KwaZulu-Natal and in Botswana.

Rare finds of small dog figurines made from baked clay have also been collected from eleventh to thirteenth century Iron Age sites in the northern parts of South Africa and south-central Zimbabwe.

Identifying early dog remains in southern Africa is difficult because of the fragmented nature of archaeological bones and the close similarities between dog and jackal skeletons.

The past distribution of black-backed and side-striped jackals was also widespread across the region, further complicating the identification of ancient dog remains. As such, archaeologists have turned to biomolecular techniques to confirm potential dog identifications. In one such study, ancient DNA analysis showed that some of the oldest presumed dogs from the Western Cape – dating to the first millennium AD – were in fact black-backed jackals.

There is still much to learn about the introduction and spread of domesticated dogs across southern Africa.

The Ditsong National Museum of Natural History in Pretoria is currently involved in a collaborative project that will use ancient DNA and protein analyses to identify dog remains from a range of archaeological sites to reconstruct the early history of human-dog interaction in the region.

Source: Dr Annie Antonites is the Archaeozoology & Large Mammals Curator at Ditsong National Museum of Natural History, Pretoria (antonites@ditsong.org.za). ■

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# Airedale Terrier

Known as the “King of Terriers,” the Airedale is all terriers. The dog breed originated in the Aire and was created to catch otters and rats.

indeed the largest of Valley of Yorkshire

Although these are purebred dogs, you may rescue groups or shelters. Opt to adopt if you want pups home! Intelligent, outgoing, and confident, possesses a wonderful playful streak that delights parents and apartment dwellers should beware, high energy and need plenty of exercise, be a little much for first-time dog trainers. breed’s physical needs and provide preferably in the form of a big yard with you’ll be rewarded with a playful, loving family—even kids!

find them in the care of to bring one of these the Airedale Terrier their humans. Novice pet though. These dogs have and their intensity might But if you can meet the them with space to run, a tall, secure fence, then companion for the whole



It is recommended that this dog bed to give a good night’s sleep to your medium-sized Airedale Terrier. You should also pick up this dog a fetch toy to help burn off your pup’s high energy!

Weight  
18 - 30 Kg

Dog Breed Group  
Working Dogs

Height →  
53 - 58 cm tall  
at the shoulder

Life Span  
10 - 13 Years

Source: [www.dogtime.com](http://www.dogtime.com)

## Physical Needs

- Energy level 
- Intensity 
- Exercise needs 
- Playfulness 

## Friendliness

- Affectionate with family 
- Kid-friendly 
- Dog-friendly 
- Friendly towards strangers 

## Trainability

- Easy to train 
- Intelligence 
- Potential for mouthiness 
- Prey drive 
- Tendency to bark/howl 

## Gold Souls, Gray Faces - Exercise for Senior Dogs

### Short Walks

Getting out for a walk is mentally stimulating for your dog, as they'll get a chance to find new smells and see new things. It will get their brain moving, as well as their body.

### Swimming

Swimming is a fun activity for many dogs, and it's especially beneficial for seniors because it gets them moving without added stress on their bones and joints.

### Soft Fetch

You probably don't want your senior to get up to full speed like they did when they were young, as running puts a lot of stress on the body. Just do short tosses, and if your dog is unsure about chasing down their toy, walk with them slowly.

### Easy Obstacles

Slowly weaving through cones or even circling the tree in your yard can give your dog a bit of mental stimulation while giving them some physical exercise.

## Always Be Gentle!

[www.dogtime.com](http://www.dogtime.com) ■



Knowledge grows

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- 'n Unieke kenmerk is die harde kors wat om die produk vorm sodra dit aan vogtigheid blootgestel word. Dit beskerm die produk teen reënskade.

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[www.yara.co.za/animal-nutrition](http://www.yara.co.za/animal-nutrition)

animal.nutrition.sa@yara.com

Tel: +27 (0)31 910-5100

PhosSure 6 - Reg. Nr. V11350 (Wet 36 van 1947)  
 PhosSure 12 - Reg. Nr. V12858 (Wet 36 van 1947)  
 PhosPro 17 - Reg. Nr. V24441 (Wet 36 van 1947)  
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**New Look! Same great taste!**



#### GUARANTEED NUTRIENTS

Nutrient	Quantity g/kg
Crude protein	minimum 200
Moisture	maximum 100
Crude fat	minimum 75
Crude fibre	maximum 45
Crude ash	maximum 100

#### GUARANTEED NUTRIENTS

Nutrient	Quantity g/kg
Crude protein	minimum 240
Moisture	maximum 100
Crude fat	minimum 100
Crude fibre	maximum 45
Crude ash	maximum 100

#### GUARANTEED NUTRIENTS

Nutrient	Quantity g/kg
Crude protein	minimum 280
Moisture	maximum 100
Crude fat	minimum 120
Crude fibre	maximum 24
Crude ash	maximum 65
Linoleic Acid	minimum 17
Taurine	minimum 1

1. Formulated by animal nutritionists and produced locally by Avi-Products which is a FSSC22000 certified company.
2. The product is coated which increases palatability.
3. Quality ingredients are certified and routinely tested from reputable suppliers.
4. Render plant on site giving us full traceability and guaranteed freshness.
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# BASJAN SE BOOMHUIS

## *Die boomkonsert*

*Kinderstorie deur Jaco Jacobs  
Illustrasies deur Johann Strauss*

Op Basjan-hulle se plaas is 'n boom.

'n Groot ou boom met digte blare.

Dis die perfekte boom om kaalvoet in rond te klouter.

En in hierdie boom is Basjan se boomhuis.

Basjan se boomhuis is die beste plek op aarde om te speel, skatte weg te steek, te dagdroom, planne te maak ... of weg te kruip as Ma jou roep om huiswerk te kom doen!

Op 'n sonnige Saterdagoggend soos dié sal jy Basjan gewoonlik in sy boomhuis kry, besig om met Strepies, sy troetelmuishond te speel. Op 'n sonnige Saterdagoggend soos dié sal jy ook gewoonlik twee ander stemme in die boomhuis hoor lag en gesels. Die tweeling Nandi en Neville kom kuier amper elke Saterdagoggend by Basjan. Die tweeling se pa-hulle boer op die buurplaas, en dit is so naby dat hulle sommer hierheen kan stap.

Maar vanoggend staan die boomhuis verlate.

Basjan lê pens en pootjies in sy bed.

"Ma-a-a-a!" kla hy. "Ek voel regtig nie meer siek nie. My kop is nie meer seer nie en my voorkop voel nie meer warm nie. Kan ek nie maar buite in die boomhuis gaan speel nie?"

Maar Mamma skud net haar kop. "Nee, Basjan, die dokter het gesê jy moet nog in die bed bly."

"Kan Nandi en Neville nie maar by my kom kuier nie?" smeek Basjan, al weet hy eintlik klaar wat die antwoord is.

Mamma skud net weer haar kop. "Jy het tog gehoor wat die dokter sê, Basjan. Voor al die blasies nie verdwyn het nie, kan jy ander kinders aansteek."

Basjan gee 'n lang, harde sug. Strepies gee 'n sagte muishondsug en kom lê met sy kop op Basjan se arm. Basjan kyk vies na die kolletjies en blasies op sy arm. Sy hele lyf is van kop tot toon vol daarvan. Gelukkig kan muishonde nie waterpokkies kry nie.

Basjan lê al drie dae lank in die bed. Eers was dit nogal pret om skool te mis. Maar nou is dit glad nie meer pret nie. Sels skool sal lekkerder wees as om heeldyd hier in sy kamer te lê. Hy het al ELKE LIEWE BOEK op sy boekrak deurgeblaai. Hy is LANKAL nie meer lus om enige iets op TV te kyk nie. Hy het sy gunsteling-videospeletjie al DRIE KEER van voor tot agter deurgespeel.

“Probeer 'n bietjie slaap,” sê Mamma. “Ek is in die kombuis as jy my soek. Ek en Karlien bak kolwyntjies.”

Basjan maak net 'n bromgeluid. Hy is BESLIS nie lus om te slaap nie.

'n Paar minute later loer Basjan se ousus, Karlien, by die kamer in. “Is jy lus vir 'n kolwyntjie, Basjan?” vra sy.

Basjan sit regop. “Ja, asseblief!” Strepies maak 'n opgewonde piepgeluid. Karlien bring vir Basjan 'n kolwyntjie op 'n skinkbord. Basjan frons toe hy sien dis pienk. Hoekom moet Karlien altyd PIENK kolwyntjies bak. Hy vat 'n hap. Gelukkig smaak dit baie lekker.

“Wil jy saam met my Monopoly speel?” vra Basjan. “Of 30 Seconds?”

Karliën skud haar kop. “Jammer, Basjan,” sê sy. “Ek en Themzi gaan vanaand by Marlie oorslaap. Ons hou 'n pajamapartytjie. Dis waarvoor ek die kolwyntjies gebak het.”

Basjan kreun. Dis so onregverdig! Hoekom moet hy hier in die bed bly terwyl Karlien kan gaan pajamapartytjie hou!

Toe Karlien uit is, breek Basjan vir Strepies 'n stuk van sy kolwyntjie af. Mamma sê altyd soetgoed is nie goed vir muishonde nie, maar Basjan is seker 'n klein ou happie sal darem nie vir Strepies siek maak of sy maag laat pyn nie.

TIK-TIK-TIK.

Basjan wip soos hy skrik. Strepies skrik so groot dat hy aan 'n kolwyntjiekrummel verstik. Hy gee 'n meerkathoesie en spring onder Basjan se duvet in.

TIK-TIK-TIK.



Basjan frons. Wie klop aan sy kamervenster? Hy spring op en trek die gordyn weg.

Twee neuse is platgedruk teen sy ruit. Twee paar oë loer sy kamer binne. Twee monde glimlag breed toe hulle hom sien.

"Nandi en Neville!" roep Basjan uit. Hy maak die venster oop. Strepies spring opgewonde onder die duvet uit en klouter tot op die vensterbank. Hy is mal oor Nandi en Neville.

"Haai, Basjan!" groet die tweeling.

"Is jy al gesond?" vra Neville. "Kan jy saam met ons kom speel?"

"Moenie laf wees nie, Neville," sê Nandi. "Kan jy nie sien hy's nog vol kolle nie? Staan weg van die venster af, anders gaan jy ook aansteek."

Die tweeling staan 'n entjie weg.

"Voel jy nog siek, Basjan?" vra Nandi.

Basjan skud sy kop. "Nie regtig nie," sê hy. "Ek het koors en kopseer gehad, en ek was nogal moeg – maar nou is ek net baie moeg vir my bed." Hy sug. "Maar die dokter sê ek moet in die bed bly tot al die waterpokkies gesond is."

"Dis hoekom ons vir jou kom kuier het," sê Neville. "Ons het vir jou 'n verrassing."

"'n Verrassing?" vra Basjan.

Nandi en Neville knik. "Ons het gistermiddag en gisteraand kliphard geoefen," sê Nandi.





Basjan wil nog vra watter soort oefening hulle gedoen het, maar die tweeling draf weg. Basjan maak die venster groter oop. Hy kyk verbaas hoe Nandi en Neville teen die boomhuis se leer opklouter. Wat op aarde vang hulle aan? Die tweeling verdwyn in die boomhuis.

'n Oomblik later kom Nandi te voorskyn. Sy lyk amper soos 'n sirkusbaas – op haar kop is 'n swart keil en sy het 'n deffige rooi baadjie aan. Basjan grinnik. Bo in die boomhuis is 'n groot kis vol speelklere.

“Dames en here!” kondig Nandi met 'n diep stem aan. Sy praat hard genoeg dat Basjan haar duidelik kan hoor. “Welkom by die Groot Boomkonsert!”

Basjan fluit en klap hande.

“Eerste aan die beurt is Daredevil Neville!” roep Nandi uit.

Neville verskyn in die boomhuis se deur. Basjan proes kliphard van die lag.

Neville lyk vreeslik snaaks. Hy is soos Tarzan aangetrek – met 'n tiervelkostuum. Op sy kop is 'n fietshelm. Hy glimlag breed en waai links en regs, asof daar 'n skare mense is wat hom dophou en vir hom hande klap.

Nandi gee vir hom 'n dik tou aan. Dit is aan een van die boomhuis se takke vasgemaak. Neville kry die tou stewig beet ... en spring!

Basjan trek sy asem skerp in.

“Aaaaaaa-haaaa!” gil Neville.

Basjan is nie seker of hy soos Tarzan probeer klink – of net 'n bietjie benoud is nie. Neville swaai heen en weer aan die tou. Sy voete skop wild rond. Hy lyk so snaaks dat Basjan kraai van die lag.

Sukkel-sukkel klouter Neville weer boontoe. Toe hy terug is op die platform voor die boomhuis se deur, buig hy diep.

Basjan klap so hard hande dat sy handpalms pyn.

Dit is Neville se beurt om 'n aankondiging te maak.



“Volgende op ons program is Nandi die Nagtegaal!” roep hy uit.

Musiek begin dofweg uit die boomhuis speel. Dan kom Nandi vorentoe gestap. Sy lyk bitter snaaks. Sy dra 'n wit-en-pienk blommetjiesrok wat hopeloos te groot is vir haar, en op haar kop is 'n hoed wat amper soos een van Karlien se kolwyntjies lyk.

Sy begin met 'n baie snaakse, hoë stem sing. Basjan herken die liedjie. Die liedjie se naam is “Mamma, ek wil 'n man hê”. Maar Nandi het die woorde verander. Sy sing:

“Mamma, ek wil 'n hond hê!  
 Watse hond, my liewe kind?  
 Wil jy dalk 'n poedel hê?  
 Nee, Mamma, nee!  
 'n Poedelhond is te neus-in-die-lug.  
 'n Poedelhond gee ek gou terug.  
 Dit is my plesier met die Strepies-muishond hier!”

Sy sing vier verskillende versies van die liedjie. Elke keer gebruik sy 'n ander soort hond. Basjan lê behoorlik soos hy lag. Strepies skarrel heen en weer op die vensterbank en lyk vreeslik ingenome met homself – asof hy weet die liedjie gaan oor hom.

Toe Nandi ophou sing en buig, is dit nie net Basjan wat hande klap nie. Pappa, Mamma en Karlien staan buite op die gras. Hulle kyk nou ook na die tweeling se boomkonsert! Dit lyk of dit vir Nandi en Neville aanspoor om nog harder te probeer.

Neville doen 'n hoenderdans.

Nandi doen drie fantastiese kulkunsies.

Dan sê hulle saam-saam 'n rympie op:

“Basjan, ons mis jou –  
jou grappies en pret.  
Die boomhuis voel leeg  
met jou daar in die bed.  
Basjan, ons mis jou  
en vir Strepies-muishond.  
Basjan, ons mis jou,  
word tog gou gesond!”

Die boomkonsert is verby. Basjan klap saam met Pappa, Mamma en Karlien hande. Pappa gee 'n harde fluit. Die tweeling buig 'n klomp keer.

“Dit was 'n fantastiese konsert,” sê Mamma. “Nandi en Neville, moenie nou al huis toe gaan nie, asseblief. Ek bring vir julle koeldrank – en ek het ekstra kolwyntjies ook gebak.”

“Kolwyntjies?” Neville lek sy lippe af. “Vir kolwyntjies doen ek sommer NOG 'n keer die hoenderdans!” En hy gee 'n paar hoenderpassies en klap-klap met sy vlerke.

Waar hy by sy kamervenster sit, glimlag Basjan breed. Hy het sowaar die twee beste maats op aarde! En volgende week as hy gesond is, gaan hulle weer saam hope pret in die boomhuis hê. Wie weet, dalk hou hulle sommer NOG 'n boomkonsert!



# Hou jou eie konsert

Hoekom hou jy en jou maats nie julle eie prettige konsert nie? Dink aan vyf of ses items wat julle kan doen. Oefen dit voor die tyd tot julle dit goed kan doen. Trek mooi kostuums aan wat by julle items pas. Nooi nou maats of jou gesin om die konsert te kom kyk. Hier is drie idees vir items wat julle kan aanbied:

## Skryf 'n liedjie

'n Konsert is nie 'n konsert sonder 'n prettige liedjie of twee nie. Maak dit sommer ekstra-spesiaal deur julle EIE LIEDJIE te skryf. Dit is eintlik glad nie so moeilik nie. Neem 'n bekende volksliedjie soos "Hansie Slim" of "Wielie-walie" en probeer jou eie woorde daarvoor skryf. Jy kan die bestaande woorde ook net 'n bietjie aanpas.

Voorbeeld (op die wysie van "Hansie Slim"):

Basjan lê in die bed.  
Hy is lus vir speel en pret.  
Hy is siek. Dokter sê  
hy moet daar bly lê.  
Basjan, wanneer is jy reg?  
Is jou waterpokkies weg?  
Word gesond, sommer gou.  
Die boomhuis wag vir jou!



## Doen 'n kulkunsie

Die magnetiese potlood

Kan jy 'n potlood aan jou handpalm laat vasklou? Dis maklik – en jou gehoor sal hulle oë nie kan glo nie!

Jy benodig:  
Twee potlode  
'n Polshorlosie

Die geheim van hierdie toertjie is om vooraf 'n potlood onder jou polshorlosie in te druk, sodat dit oor jou handpalm uitsteek. Jou gehoor mag nie hierdie potlood sien nie. Wys nou die tweede potlood vir die gehoor en sê: "Kyk, ek gaan nou hierdie potlood in 'n magneet verander wat aan my handpalm vaskleef!" Druk die potlood dwars stewig onder die potlood in wat onder die polshorlosie ingedruk is. Sê nou: "Abrakadabra!" (Of dink jou eie oulike "towerwoorde" uit.) Maak jou hand oop en maak seker jy wys net die bokant van jou hand vir die gehoor. Dit sal lyk asof die tweede potlood aan jou handpalm vaskleef!

Dink jou eie  
dans uit

Kies enige lawwe, prettige liedjie. Werk nou jou eie dansbewegings daarvoor uit. Dis prettiger om dit saam met iemand te doen. Oefen die bewegings behoorlik. Julle kan 'n snaakse naam vir julle dans uitdink, soos die Seekoei-sokkiejof of die Volstruis-vastrap!

What happens when Dracula catches a cold?  
He starts coffin!

Knock-knock.  
Who's there?  
Hatch?  
Hatch who!  
Bless you!

Patient: "Doctor, Doctor, I feel like a pony!"  
Doctor: "Yes, you're definitely a little hoarse!"

Patient: "Doctor, Doctor, I think I'm turning invisible!"

Doctor: "Sorry, I can't see you today."

## Springtime Word Search

Spring is in the air! Can you find the 10 flowery words hidden in the word search below?

## Scrambled Words

Arrange the letters in the blocks to form the names of four different fruits/vegetables.

S	A	A
A	R	G
P	S	U

R	E	A
E	I	T
C	N	N

A	E	P
N	L	P
I	P	E

U	U	E
T	T	B
T	R	N

N	C	A	R	N	E	L	M	O	M	E	O
E	A	V	T	U	L	I	P	C	A	R	M
C	R	P	O	L	I	L	T	R	R	E	F
A	N	P	O	L	L	E	N	V	I	O	T
P	A	N	T	G	A	R	A	N	G	E	O
V	T	X	N	E	C	T	E	A	O	R	C
I	I	E	E	D	Q	V	I	O	L	E	T
O	O	R	C	H	I	D	C	M	D	V	A
R	N	D	T	U	N	E	A	C	A	R	R
C	D	D	A	I	S	Y	M	E	O	R	R
R	R	Z	R	Q	P	E	T	U	N	I	A
O	R	C	D	I	H	L	E	T	V	I	O

MARIGOLD | PETUNIA | POLLEN | NECTAR | VIOLET  
DAISY | LILAC | TULIP | ORCHID | CARNATION

## Plantblokraai

Al die leidrade in hierdie blokraai het met plante te doen.

### DWARS

- Ons nasionale blom.
- 'n Ander woord vir sukkulent ('n soort plant met dik, vlesige blare of stingels wat water berg)
- 'n Perske se saad.
- Idioom: Die appel val nie ver van die \_\_\_\_\_ nie.
- Afrikaans vir willow.
- Soet vloeistof wat blomme afskei. Bye maak heuning daarvan.

### AF

- Deel van 'n plant wat gewoonlik onder die grond is.
- Afrikaans vir sweet potato.
- Deel van 'n blom wat sommige mense hooikoors gee.
- 'n Soort vetplant met bitter sap.

		1			2		
3							
							4
5							
6							
					7		
8							
9							

Word scramble solutions: Asparagus | Nectarine | Pineapple | Butternut  
Plantblokraai oplossings: 1. wortels | 2. pit | 3. protea | 4. stufmeel | 5. veplant | 6. aalwyn | 7. boom | 8. wilg | 9. nektar  
Raai, raai reëpa oplossings: 1. pampoen | 2. skippad | 3. duff | 4. Cradock | 5. rommelstroop

# Groot Blokraai

Toets jou kennis en laat weet ons hoe jy gevaar het!  
 Los jou kommentaar of soek jou antwoorde op [www.twkagri.com/radius](http://www.twkagri.com/radius)

Mezzo-sopraan is een	Skyndood		Insektekundig	In hoë mate	Gorrels		Wanstaltige	Bewaarplek		Resonansie	Smeer vir voor-gereg	Inokuleer		Voedingsvoorskrif
								Strooi-sage op tv						Prose-deerders
Boonste kousdele					Oorskiet									
Rente								Tydperke						Ewenwel
						Jou bes doen								Winter-span-spekke
Enjins		Swak-sinnige		Rigied				Virgin-groep se stigter	Bolug					
Besondere tydperk					Eksoties				Verplig	Albas-tertjie	Sny-lemme			Enorme
Informele brief	Insien en toegee	Verplig wees		Inenting-stowwe									Keur	
				5 + 3				Oog se horing-vlies						
Mantas						Sterk afkeur		Waar reisigers bly						
Straat-klip				Nie vol-doende gekook	Onsekere		Saterdag en Sondae				Baie sag	Gereg		
								Eien-aardige	Tussen-					
Beproefde krygsman		Op dié manier			Grond						Kerker			
Outen-tieke	Veilig bewaar	Waarde van drie pennies	Heel voor		Lob van die harsings					Groot dorpe		Bloedver-gifting	Italië se modestad	
				Komeet-sterter	Seur	Drukfout								Twis-godin
Jong saad-knoppe						Alliansie				Papegaai	Dui lug aan			
Werk-kringe								Ongun-stige kante						
Resensie							Velont-steking-siekte	Pikbroek						
							Stamp				Interval			
Met kallusse								Papier-geld					Honderd in 'n Rand	

Blokraai 01. Blokraai verskaf deur XWord.co.za.



# PERSONAL GROWTH

By Letitia Coetzer

**Everyone strives for improvement and being better versions of our former selves. Here are a few key areas that can help you add more value to the pages of your life book.**

**G**rowth can be defined in many ways but when we consider human beings, the most appropriate definition is the process of developing physically, mentally, and spiritually.

Materially defining growth is to be increasing in amount, value or importance. The world we live in is not made of candy floss clouds and sugar-coated rainbows, and one is bound to get knocked around a bit; but this should not stop you in your journey to becoming the best version of yourself.

### **Build quality relationships**

The relationship you have with your primary contacts – your family, your children, your colleagues, your Creator, and most importantly yourself – is the foundation of your life.

Despite our isolated modern existence, human beings were not created to be alone.



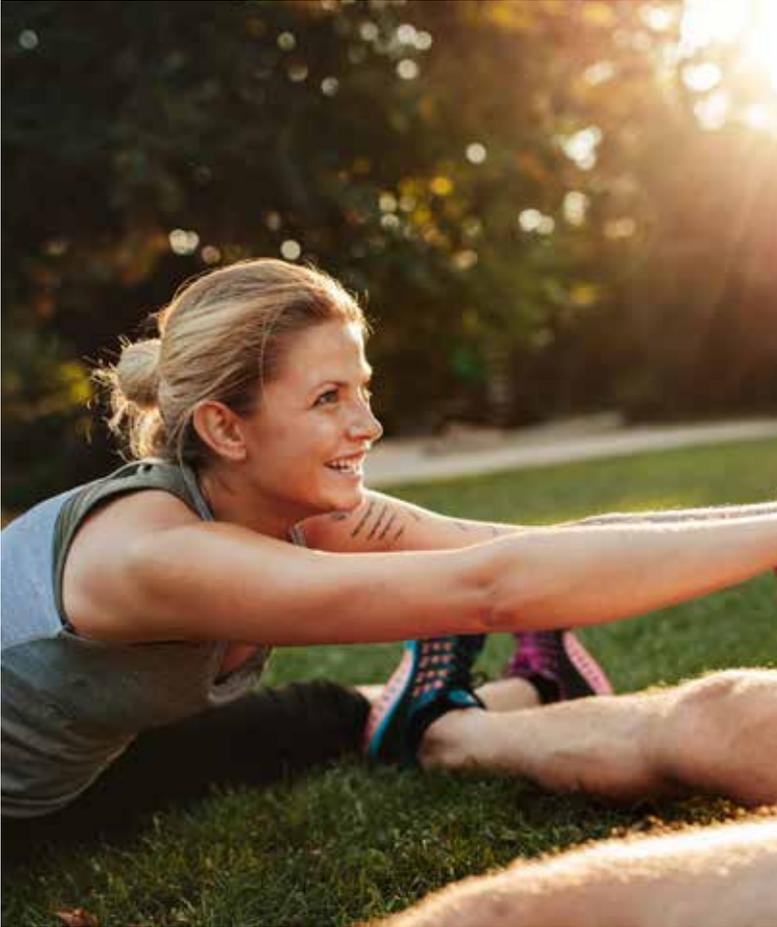
Invest time and effort in making quality connections in all of the above relationships. If these relationships are of a low quality, you will most likely experience a low quality of life.

It's important, however, to have good quality relationships with those who build you and contribute to your worth as a person. These are the relationships in which to invest your time and effort.

If you make a conscious decision and concerted effort to focus on building better interpersonal skills, you will be rewarded with greater satisfaction in relationships of all kinds.

### **Say no to stress**

Stress is a killer. Make a conscious decision to stress less and to learn stress management techniques. By making stress reduction activities that increase mindfulness part of your personal development, and a routine habit, you will be better able to identify, manage and even eliminate stress.



### Improve your health

Focus on optimal nutrition. Equip yourself with advance knowledge on nutrition and how the different foods you consume may impact your life. Get more active. Exercise is a natural stress reliever; it is also a great way to meet new people and build quality relationships.

### Increase your productivity

Procrastination is the biggest enemy of productivity. However, it is important to realise that procrastination isn't a unique character flaw or a mysterious curse on your ability to manage time; it is really a way of coping with challenging emotions and negative moods.

These may be induced by certain tasks, which in turn are linked with boredom, anxiety, insecurity, frustration, resentment, self-doubt, and other negative emotions.

"Procrastination is an emotion regulation problem, not a time management problem," says Dr. Tim Pynchl, professor of psychology and member of the Procrastination Research Group at Carleton University in Ottawa. If you're procrastinating, take the time to identify why and make a conscious effort to deal with these emotional issues at their roots.



***"Holding on to past pain prevents you from moving on and becoming a better person. Break away from the past, forgive others and yourself, and move on."***

### Get your self-control in check

Being able to effectively regulate your emotions, thoughts and behaviours to accomplish specific goals is a cognitive skill that can be exercised and strengthened just as you would your muscles. We can often get derailed working towards our goals because we become derailed by temptations, habits, and impulses, particularly those driven by subconscious beliefs and underlying psychological issues. Learning to discipline yourself is part of personal growth.

### Take up a New Course

Courses are a great way to gain new knowledge and skills for self-improvement. It doesn't have to be a long-term course; seminars, workshops, and online courses serve their purpose, too.



**Overcome Your Fears**

Whether it's the fear of uncertainty, fear of public speaking, or fear of risk, all your fears keep you stuck in the same position and prevent you from improving your life. Recognise that your fears reflect areas where you can grow, because they act as a compass pointing at areas that need attention.

**Wake up Early**

Waking up early has been acknowledged by many to improve productivity and quality of life. When you wake up early, you have that extra time to dedicate to self-improvement. You'll add extra time to your day, soak up the morning tranquillity, and absorb the early-morning sunlight that will help your brain switch into its active mode before everyone else is up.

***“Procrastination isn't a unique character flaw or a mysterious curse on your ability to manage time; it is really a way of coping with challenging emotions and negative moods.”***

**Get out of Your Comfort Zone**

Real growth comes with hard work and sweat. Being too comfortable doesn't help us grow; it causes us to stagnate. Identify where your comfort zone lines are and how you can begin to step out of them little by little. It can be as simple as going hiking on a trail you've never been to, cooking a dish you've never tried, or saying yes next time a friend asks you to go out, when you'd normally say no.

**Identify Your Blind Spots**

Scientifically, blind spots refer to areas our eyes are not capable of seeing. In personal development terms, blind spots are things about us that we are unaware exist, but which are triggering negative emotions that hold us back. Discovering our blind spots helps us discover our areas of improvement. One exercise you can use to discover your blind spots is to identify all the things/events/people that trigger you in a day ('trigger' means they make you feel unusually annoyed, frustrated, or angry). These triggers give a clue to your blind spots.

Once you know these triggers, you can identify ways to improve them or overcome them.

**Acknowledge Your Flaws**

The most important step to engage in change is to admit that there is room for improvement in you; or that you acknowledge you may lack the desired qualities required in a certain situation.

To identify your weaknesses, ask yourself the following questions:

- What are my flaws?
- Which of these flaws can I work on now?
- How do I want to address these flaws?

Remember to do this with self-love. Do not look at your flaws through a self-critical or mean-spirited light. This is about finding areas you feel you can improve upon, not finding things that are 'wrong with you'.

**Ask for Feedback**

As much as we try to improve, we will always have blind spots. Asking for feedback gives you an additional perspective as you learn how to improve yourself. It's best to approach friends, family, colleagues, a boss, or even acquaintances, since they will have no pre-set bias and are more likely to give their feedback objectively.





***"It's important to have good quality relationships with those who build you and contribute to your worth as a person."***

#### **Learn From People Who Inspire You**

Think about people you admire, people who inspire you. These people reflect certain qualities you want to have for yourself as you learn how to improve yourself. What are the qualities in them you want to have for yourself? How can you acquire these qualities?

#### **Get a Mentor or Coach**

There's no faster way to improve than to have someone help you achieve your goals.

#### **Let Go of the Past**

Is there any grievance or unhappiness from the past which you have been holding onto? If so, it's time to let it go as part of your self-improvement. Holding on to past pain prevents you from moving on and becoming a better person. Break away from the past, forgive others and yourself, and move on.

#### **Be an inspiration**

Always remember, even though you might not realise it, there are people who look up to you. Everything you do today, matters forever. Consider whether you are in the business of cultivating fear, anxiety and diminishing self-confidence, or whether are you cultivating greatness, creativity and innovation in yourself and in others.

Make a conscious choice about the input you provide in the lives of those you influence and be vigilant of the input you allow in your own life.

**Here's to you, and a wonderful journey of introspection and subsequent growth. May you never be the same again! ■**





# The Much-Anticipated Land Cruiser 300

**Following months of speculation, concept renderings and spy-shots, the first production models are ready to be shipped to eager buyers.**

On the design front, the '300' features a dramatically different profile to its '200' predecessor. While the design is unmistakably angular in execution, it creates a cohesive form that offers far greater dynamic presence with a sense of agility. In profile the newcomer bears a passing resemblance to the much-loved 80-series of the '90's - keeping the classic two-box look.

The front façade features a large and prominent radiator grille with sculpted rectangular headlamps on each side, that blend seamlessly into the grille. U-shaped radiator openings underpin a strong design while the bonnet features the signature Land Cruiser 'channel' down the centre. The rear features large trapezoidal taillamps with stylised light guides which are complemented by large Land Cruiser lettering and the Toyota Insignia.

### **New Platform**

The Land Cruiser 300 serves as the flagship to the Toyota SUV-range, and carries an enviable reputation as the 'Master of Africa'. The '300' model is a 'ground-up' design, featuring an all-new TNGA (Toyota New Global Architecture) platform designated as TNGA-F. The F indicates the first ladder-frame execution of TNGA - a fact that should find favour with off-road enthusiasts.



**New Engines**

An all-new engine line-up propels the newcomer; buyers have the choice of a 3.5-litre V6 Twin Turbo petrol engine or 3.3-litre V6 Turbodiesel. Both powerplants focus on delivering increased efficiency, improved torque output and elevated levels of refinement versus the outgoing V8-variants.

The petrol V6 offers 305 kW @ 5200 rpm with a stout 650 Nm available from 2000 rpm, while the new diesel delivers 225 kW @ 4000 rpm with a 'stump-pulling' 700 Nm available between 1600 and 2600 rpm. Top speed is pegged at 210 km/h for both variants. The new engines are mated to a new slick-shifting 10-speed automatic transmission with low-range functionality.

Fuel consumption figures are listed as 12.1 l/100 km for the Petrol and 8.9 l/100 km for the diesel - with CO2 emissions checking in at 291 and 238 respectively.

**New Grades**

The Land Cruiser 300 also introduces a new grade line-up, namely GX-R, ZX and GR-S. GX-R remains the utility-focused model and serves as the entry point to the range, while the ZX replaces the VX-R as the luxury model.

For the first time on Land Cruiser, a GR Sport (aka GR-S) grade will be offered which serves as the off-road performance model. As such the GR-S features bespoke exterior styling and trim, rugged 18" alloy wheels, while adopting an off-road-biased specification list - without skimping on any comfort or convenience. This model joins the other Gazoo Racing (GR) products, and expands the GR brand into Land Cruiser territory for the first time.

The ZX model in turn takes on a more 'image-focused' persona, with unique 20" alloy wheels, chrome detailing and luxury-oriented interior trim. The Land Cruiser 300 range thus offers three distinct character profiles to choose from - Utility, Luxury and Sporty.

**Specification Highlights**

All models boast a comprehensive specification level including LED headlamps with integrated DRLs, keyless entry with auto-door-lock, park distance control, an electric parking brake, climate control with rear zone, power driver-seat adjustment, Multi-Information Display (MID), built-in Navigation (with Tracks 4 Africa support on GX-R), multiple power outlets with charging port, Crawl Control and Drive Mode Select.

The ZX and GR-S additionally feature power fold-down third-row seating, a power-operated back door with hands-free function, heated steering wheel with wood accents, JBL 14-speaker audio system with DVD playback and 12.3" screen, Multi-Terrain Monitor with Panoramic View, seat heating



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and ventilation for first- and second-row passengers, a wireless charger and tyre pressure monitoring. All models have Apple CarPlay/Android Auto functionality.

The ZX model adds a Wi-Fi enabled rear-seat entertainment system with wireless headphones, while the GR-S model features a high-tech E-KDSS\* system to maximise off-road capability. Both variants also feature additional drive mode select modes and a Vehicle Dynamics Integrated Management (VDIM) system for superior vehicle control.

\*E-KDSS is an evolution of the acclaimed Kinetic Dynamic Suspension System (KDSS), which



links the wheels via hydraulically-supported stabiliser bars - providing excellent wheel articulation and body-roll control. The advantage of the E-KDSS system, is the ability to link the wheels axially for excellent on-road handling, and then 'unlock' the stabiliser bars when required - to promote excellent individual wheel articulation (+30mm versus the current model) for off-road use. E-KDSS employs electronic control via the Vehicle Dynamics Module, to further enhance system response and versatility.

Toyota Safety Sense is fitted to both the ZX and GR-S grades and offers a full suite of active safety aids with autonomous driving technologies such as Lane Trace Assist and all-speed radar cruise control. The usual supporting functions such as Blind Spot Monitoring (BSM), Lane Departure Alert, Rear Cross Traffic Alert (RCTA) with braking, and



Vehicle Stability Control (VSC), Active Traction Control (ATRC) and Hill Assist Control (HAC), join Trailer Sway Control (TSC), Downhill Assist Control (DAC) and the obligatory ABS, EBD and Brake Assist (BA) driver support systems.

**Colours and Trims**

The GX-R is available with two textile interior trims, Black or Neutral Beige. The ZX model offers buyers a choice of three interior colour schemes with Black, a Black & Dark Red combination or Neutral Beige being the options. The GR-S features GR-specific interior trim with a choice of either Black or a Black & Dark Red combo.

**Peace of Mind**

All LC300 models are sold with a 9-services / 90



000 km service plan with service intervals set at 12-months or 10 000 km (whichever occurs first). A 3-year/100 000 km Warranty is included across the board. Customers can also purchase service, maintenance plan and warranty extensions from their nearest Toyota dealer.

Source: [www.motorpress.co.za](http://www.motorpress.co.za) ■

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# For Your Fields

**Good harvesting starts in the farmer's heart. Tending the land is much more than a job: it's a vocation. Your fields feel the care you give them, and give it back to you by providing their best produce. Only those who experience this relationship first hand can fully explain it.**

**Y**ou don't need to do this all by yourself. New Holland is always by your side in understanding what you and your land need and in offering the right solutions, designed precisely for the challenges your production faces.

It is thanks to this dedication that we are able to develop machines such as CR Evo Series combine harvesters. They come with a complete set of advanced features, ideal for the kind of work you do. You become more productive, your work becomes easier, and your business becomes more profitable.

Your passion drives your fields. New Holland is always ready to help you achieve even more.

### Feeding System

Thanks to changes to the feeder floor and to the hydraulic cylinders, the CR Evo Series features high feed capacity and is compatible with headers up to 45 ft. Since they are as wide as the rotors, there is no funnelling of gathered material when transitioning from the feeder into the twin rotors: making the threshing and separation process easier.

A new, reinforced straw elevator, and double cylinders for lateral float, provide greater durability for components, as well as better response in lateral fluctuation.

### S3 Rotor

Over 40 years of efficiency. We improved the S3 Rotor in order to achieve the best threshing and separation performance available on the market. Its geometry generates up to 40% more centrifugal force, enabling threshing with virtually no loss. In addition, swift operation and high rotation speeds increase the flow of material that goes through the machine, as

well as the amount of material intake.

The twin rotor technology has been displaying its harvesting efficiency for over 40 years and is exclusive to New Holland. This system provides a threshing and separation process unlike any other. Increased centrifugal force provides smoother threshing, and this results in better grain quality.

The twin helix feeding concept guarantees constant flow of material and smooth transition from the feeder into the rotors. We redesigned the threshing bars to increase threshing capacity while optimising the passage of material through the concave part.

In addition, directional vanes were redesigned to reduce potency consumption, allowing the machine to process more material. The vanes are adjustable and enable optimal performance for all types of conditions and cultures.

### Full efficiency at all times

Do you want to know how much, when, and where to adjust your machine's travelling speed so that it always operates at full capacity? IntelliCruise™ does



that for you. And even better, it does so automatically.

Material intake quantity is measured using a sensor mounted at the drive belt of the chaff elevator. In areas where crops are lighter, IntelliCruise™ increases machine travelling speed, so that it always operates at the engine's full capacity. As well as this, the system can also be configured to be based on grain loss level, automatically helping operators set the lowest loss rates.

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## INKOMSTE WAARBORG PRODUK

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

### Watter skades word gedek?

Droogte, Brand, Hael, Transito, Ryp, Oormaat Reën, Vloed, Onbeheerbare plantsiektes en -insekplae, Oormatige hittegolwe.

### Hoe word die versekerde inkomste waarde bereken?

LGO x SAFEX-prys x Hektare x Waarborgpersentasie.

- LGO soos goedgekeur deur iMPAC Cropsure.
- SAFEX-prys, gemiddeld van die laaste 20 verhandelingsdae vir einde Julie volgende jaar (Mielies en Graansorghum) 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 stropertaksasie, gemiddeld van 20 verhandelingsdae terug)

EIS - Indien die inkomste waarde minder is as die waarborg waarde.

GEEN EIS - Indien die inkomste waarde meer is as die waarborg waarde.

### Hoe werk haeldekking op die inkomste waarborg 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 stropertaksasie 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, Graansorghum, 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.

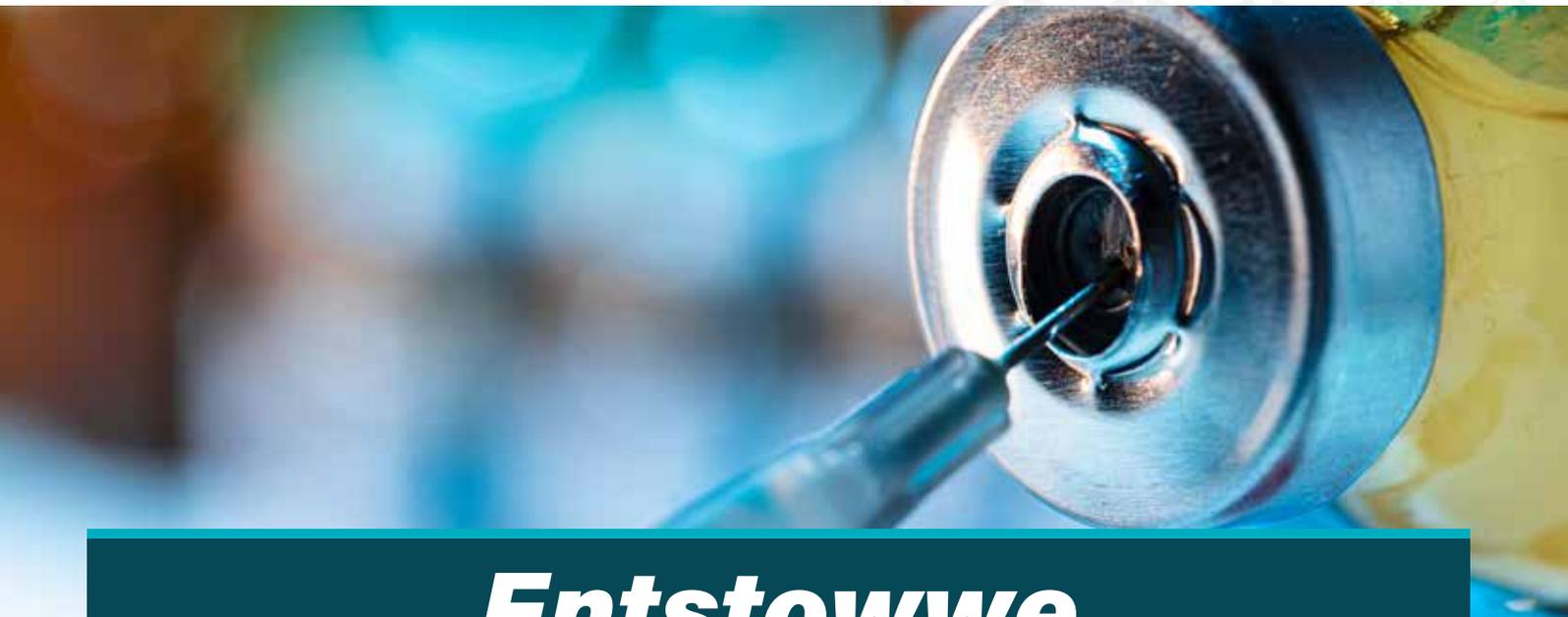
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# Entstowwe – veilig of onveilig?

Deur Dirk Conradie

**Deur die skrywe van hierdie artikel wil ek probeer om enige onsekerheid of vrae uit die weg te ruim sodat 'n ingeligte besluit met betrekking tot die covid-19-entstof geneem kan word.**

**W**êreldwyd word entstowwe teen covid-19 op groot skaal toegedien, en meer as 2,9 miljard dosisse is reeds in meer as 140 lande toegedien. Suid-Afrika se entstofprogram is stadig besig om momentum te kry, en dis juis om hierdie rede dat 'n besluit geneem moet word of die inenting gekry moet word, al dan nie.

'n Kernbeginsel wat egter nie ondermyn mag word nie, is vryheid van keuse. Die keuse om ingeënt te word berus by elkeen self.

Vergeleke met ander lande is Suid-Afrika min of meer sewe maande agter met die toediening van entstowwe. Dit plaas ons eintlik in 'n goeie posisie om te sien presies hoe die entstowwe in ander lande gewerk het. Die bevinding is dat entstowwe wel effektief is. In lande soos Israel, Engeland en Hongarye is daar 'n direkte verband tussen die toediening van entstowwe en die afname van infeksies, hospitalisasie en sterftes. 'n Studie het bevind dat Pfizer, Moderna, AstraZeneca en Johnson & Johnson se entstowwe effektief is. Dit is belangrik om ook in ag te neem dat geen van die effektiewe entstowwe totale beskerming bied teen infeksie met covid-19 nie. Dit bied egter wel omvattende beskerming teen ernstige simptome en sterftes.

Is entstowwe veilig? Die bevinding is dat entstowwe wel in 'n groot mate veilig is, maar soos met enige ander medikasie is daar wel nuwe-effekte. Die risiko vir bloedklonte en hartverwante nuwe-effekte is klein. Die meeste nuwe-effekte wat aangemeld is, is lig en stem met dié van enige ander entstof ooreen.

Dit is steeds baie belangrik dat individue wat reeds gesondheidsprobleme het, tans siek is en voorheen nuwe-effekte met entstowwe ondervind het, eers hulle dokter moet raadpleeg om seker te maak dat dit wel veilig is om ingeënt te word.

Entstowwe waarborg nie dat jy nie covid-19 sal kry nie, maar dit maak die kans om dit op te doen, siek te word of dood te gaan baie minder. Die risiko's moet opgeweeg word teen die voordele wat die entstof wel bied.

Entstowwe skakel nie die gebruik van belangrike medikasie in die behandeling van covid-19 uit nie. Dit skakel ook nie voortgesette goeie beginsels ten opsigte van higiëne, fisiese afstand, ens. uit nie.

Dit is belangrik om daarop te let dat entstowwe nie identies is nie. Daar is uiteenlopende tegnologieë in die ontwikkeling van entstowwe gebruik. Daar is ook wesenlike verskille in gerapporteerde doeltreffendheid. Volgens fase 3-studies toon entstowwe wat tans in gebruik is almal wesenlike beskerming

(>50%) teen simptomatiese covid-19 by volwassenes.

Entstof	N	Doelreffendheid
AstraZeneca	11 636	70,40%
Sputnik	19 866	91,60%
Johnson & Johnson	43 783	66,90%
Moderna	28 207	94,10%
Novavax	4 387	49,40%
Sinopharm*	38 206	78,10%
Pfizer	36 523	95%

\*Interimresultate

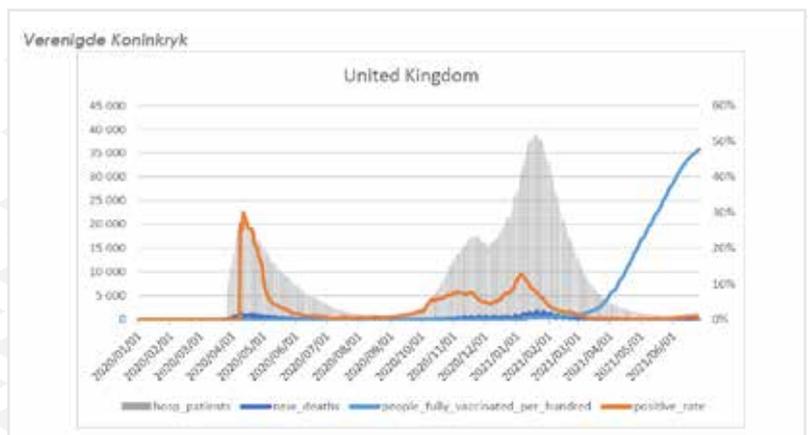
'n Spesifieke bekommernis is dat die entstof te vinnig ontwikkel is en daarom onveilig is. Alhoewel covid-19-entstowwe besonder vinnig ontwikkel is, is hulle behoorlik getoets en nie onveilig nie. Alhoewel covid-19 nuut is, is koronaviruse nie 'n nuwe verskynsel nie en bestudeer wetenskaplikes hulle al langer as 50 jaar. Met die uitbreek van covid-19 spesifiek is daar gebou op die berge kennis rondom koronaviruse ten einde 'n entstof so vinnig as moontlik te kan ontwikkel.

Dit is ook nie die eerste geval van 'n entstof wat binne 'n jaar vir 'n pandemie ontwikkel is nie. In 2009 met die varkgriep-pandemie is 'n entstof ook binne 'n jaar ontwikkel. Dit is dus nie vreemd dat 'n entstof binne 'n paar maande vervaardig is nie.

Die langtermyn-effekte van covid-19-entstowwe is bloot nog net nie bekend nie – daar is nie genoeg tyd wat reeds verbygegaan het om dit te bepaal nie. Entstowwe is gelukkig nie 'n nuwe verskynsel nie en daar is lesse te leer uit ander entstowwe se langtermyn-effekte. Die geskiedenis van entstowwe toon dat die meeste nuwe-effekte voorkom binne die eerste twee maande nadat 'n persoon 'n entstof ontvang het. Hierdie geskiedenis toon dat langtermyn-effekte 'n besonder skaars verskynsel is vir entstowwe, bloot weens die metode waarop entstowwe werk. Die meeste van die materiaal wat gebruik word om 'n immuunreaksie te stimuleer, word binne 'n paar dae deur jou liggaam uitgeskei.

Die entstof kan ook nie covid-19 aan jou gee nie omrede daar geen virale covid-19-proteïene in die entstof is nie. Dit impliseer dat daar geen manier is waarop die entstof jou covid-19 kan gee nie, want die virus self is nie in die entstof nie.

Die grafiek oor die Verenigde Koninkryk toon dat alhoewel daar in Junie 2021 weer 'n toename van covid-19 gevalle beleef is, interimstudies toon dat daar nie 'n wesenlike toename in hospitalisering of sterftes weens covid-19 was nie.



Die besluit om die entstof te kry, berus steeds by die persoon self. Volg asseblief die skakel hier onder om die volledige verslag te kry. Die verslag het ook grafieke wat presies toon hoe lande met 'n hoe inentingsyfer se hospitalisasie en sterftes ná die toediening drasties afneem. <http://soli.online/2yr>

Elkeen moet self 'n verantwoordelike besluit neem en jy moet jou eie unieke omstandighede in ag neem om die entstof te kry.

Kontak my gerus indien daar enige vrae rondom die inentingregistrasieproses is en indien ons met enige mediese fondse navrae kan help.

Dirk Conradie.  
 TWK Versekering  
 Mediese fondse

Bronne: Solidariteit Navorsingsinstituut, Entstowwe – Hulp of Hinder? ■



# Flowers to benefit your veggie patch



By Clara Rautenbach

**Plant these beauties alongside your vegetables to provide food for pollinators and insects, repel unwanted pests, and to give your soil a healthy once-over – all while adding to the beauty of your vegetable garden.**

- **Violas and Pansies**

These flowers are already known as a staple for salads and to add colour to dishes. Plant them in full sun and make sure to water them regularly to ensure a good supply of flowers.

- **Petunias**

Mostly appreciated for their long bloom time from winter onwards, petunias deserve more respect for their role as natural pesticide. Plant them alongside brassicas (cabbages), as they deter many pests including cabbage loopers, aphids, asparagus beetle, leafhoppers and tomato worms. Not only will beans, basil, tomatoes, sweetcorn and peppers also do well under their watch, the fragrant varieties will also attract bees, butterflies and moths.

- **Nasturtiums**

Not only are nasturtiums known for their peppery taste in salads, they also serve as a sacrificial lamb in your vegetable patch! They attract aphids away from vegetables such as broccoli, brussels sprouts, cabbages and beans, to name a few. Once infested with aphids, simply pull those flowers out and sow new seed. These will germinate easily and your veggie patch will continue to thank you!

- **Lavender**

A natural rat and mouse deterrent; lavender truly is worth its weight in gold. Its flowers are edible and their potent fragrance masks the smell of flowering vegetables. Plant them as a pretty hedge for your vegetable garden, but trim them regularly to keep them from getting woody.

- **Geraniums**

Geraniums and scented geraniums are both a winner in a vegetable garden. Not only do geraniums deter cabbageworm, their fragrant counterpart also deter spider mites, leafhoppers and aphids.

- **Feverfew**

This herb might be family of the humble daisy, but its benefits in a vegetable garden are numerous. Not only does the aromatic leaves mask the scent of other crops such as peas and beans, it also protects cabbages, spinach and radishes because the taste and smell of the leaves act as a natural insect repellent. This little winner also enhances the growth of plants around it. If needed, a weak infusion of leaves and flowers can be used as a spray for whitefly and spider mites.

- **California poppy**

The California poppy is a very good companion for vegetables that flourish in sandy or poor to average soil that drains well, especially root vegetables such as turnips, carrots and beetroot. Their bright orange flowers attract bees, butterflies and nectar-seeking birds. They are prone to reseeding quite easily, but dried flowers should be pulled out to keep your garden looking tidy.

- **Catmint**

Catmint thrives in most, fertile and friable soil that drains well. It doesn't mind being trimmed for neatness, and it can be divided in spring. Its aromatic silvery-green foliage helps to repel insects, while its flowers attract bees and butterflies. Plant it under kale or near cabbages to keep aphids away, or even with tomatoes in frost-free areas. It is an easy plant to use as a border, with the added benefit of distracting your cat from venturing further into your veggie patch!

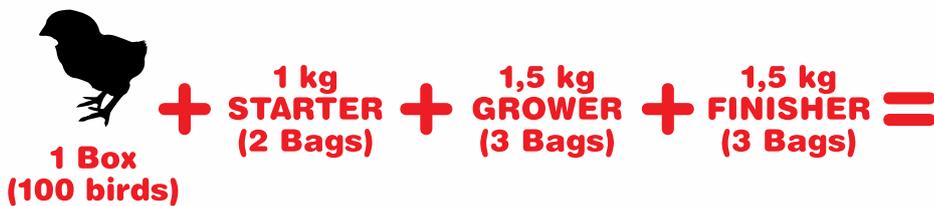
- **Calendula**

A wonderful companion for broccoli, Brussels sprouts, turnips, celery and even tomatoes and beans; marigolds truly are the perfect flower for your vegetable garden. Their flowers attract beneficial insects – especially ladybirds, lacewings and hover flies, all of which feed on aphids.

For more information, contact Pot & Plant at 072 796 3278 or [potnplant@twkagri.com](mailto:potnplant@twkagri.com) ■



More than just feed



Age of bird 42 days



\* Results may vary according to growing conditions, genetics and management.

The right feed and personal attention for better results

[www.meadowfeeds.co.za](http://www.meadowfeeds.co.za)

# Plante vir die pallet

Deur Clara Rautenbach

**Honger om meer out jou tuin te kry? Plant die volgende blomplante om hierdie Lente nie net 'n geurige, kleurvolle tuin te hê nie, maar om ook by te dra tot die kospotte.**

## 1. Kappertjies

Hierdie onselfsugtige plant is 'n móét in enige Suid-Afrikaanse kostuin. Sy peperagtige blare en kleurvolle blomme is 'n pragtige toevoeging tot enige tuin óf slaai. Besikbaar in kleure van geel, oranje, rooi, wynrooi en selfs beige, is die nederige kappertjie 'n slim plant om in jou groentetuin te plant, aangesien hy insekte weg van jou ander plante sal lok. Hy saai dikwels homself, so as jy wil verhoed dat hy jou tuin oorneem, is dit beter om hom in houers te saai. Alhoewel kappertjies in die son groei, verkies hulle 'n bietjie skadu gedurende die Suid-Afrikaanse somermaande.

## 2. Rose

Rose mag dalk meer bekend wees as 'n reukmiddel vir badprodukte en parfuim, maar die blom van liefde is eintlik meerdoelig! Die blare van die plant word in tee gebruik en smaak soortgelyk aan swart tee. Roosknoppe is die geurigste deel van die plant en kan gedroog word om in tee of kosdisse gebruikte word. Die blomblare kan in slaai of nageregte gebruik word, of selfs ingelê word in heuning. Die intensiteit van die geur word deur die kleur van die blom beïnvloed – hoe donkerder, hoe sterker. Maak seker om die bitter, wit gedeelte van die blomblaar te verwyder voordat dit by kos gevoeg word. 'n Minder bekende eetbare deel van die roosplant, is die roosvrug oftewel "rosehip". Oes die vrug wanneer hy diep oranje of rooi is, sny middeldeur en verwyder die sade – jy sal verbaas wees hoe na aan crab apple die vruggie smaak!

## 3. Calendula

Die calendula-familie bestaan uit 'n verskeidenheid eetbare gousblomme. Sommige Oosterse lande beskou hierdie peperige, bittersuur blom as die 'arm man se saffraan', omdat die geel blomblare ook gebruik kan word om disse geel te kleur. Calendula is gelukkigste as hy 'n bietjie skadu gedurende die warm maande kry, maar hy is ook verbasend rypbestand.

## 4. Daglelie

Dit is belangrik om te noem dat nie alle lelies eetbaar is nie – slegs daglelies wat aan die Hemerocallis-familie behoort is veilig om te eet. Ander lelies kan gevaarlik of giftig wees. Daglelies is geharde ornamentele plante wat in verskeie skakerings van geel, rooi, oranje, pers en wit voorkom. Hy groei in meeste grond omstandighede en blom regdeur die Lente- en

Somermaande in Suid-Afrika. Verwyder die wit, bitter basis van die blomblare voordat jy die ligte aspersie-geurige blomme eet.

## 5. Laventel

Laventel – soos rose – is meestal bekend as 'n reukmiddel, maar sy smaak kan beskryf word as 'n kruising tussen roosmaryn en kruisement. Laventel wat van tuinsentrums gekoop word, groei maklik, terwyl dit 'n baie meer ingewikkelde proses is om van saad af te groei. Maak seker dat die plant in goed-dreinerend grond geplant word, en dat hy genoeg son veral gedurende die wintermaande kry. Hierdie kruieplant se blom word veral in soet disse gebruik, maar té veel kan oorheersend wees – gebruik dus 'n klein hoeveelheid om hierdie blomsmak in jou nageregte te gebruik.

## 6. Grasuie

Die ui- of allium-familie is sy gewig in goud werd. Alle allium-bloeiende is eetbaar, en die smaak is gewoonlik effens meer gedemp as dié van die blare. Grasuie het 'n heerlike ui-smaak en 'n pragtige pers bloeisel, wat saam met die blare (wat lyk soos 'grasse') geoes kan word 'n verskeidenheid van disse. Plant sade gedurende Lente om teen laat-Lente en in die Somer te kan oes. Grasuie groei graag in die koeler maande, en verkies semi- tot volson.

## 7. Echinacea

Echinacea het die afgelope paar dekades gewild geword vir sy helende eienskappe. Die plant word gereeld as verkouemedisyne gebruik. Echinacea groei uiters maklik, aangesien dit in lae gehalte grond én boonop in droogte geteisterde gebiede kan groei. Alhoewel hy in skadu kan groei, verkies hy helder, direkte lig om goeie blomproduksie te verseker. Alhoewel hierdie helderpers plant se wortels en stingels meestal gebruik word vir medisinale doeleindes, sal sy blomblare 'n pragtige toevoeging tot disse maak.



## 8. Murgpampoentjie blom

Ma's het uiteindelik 'n alternatief om aan kinders te bied wat hul neuse optrek vir pampoen, of meer spesifiek; murgpampoen – sy blom! Die heldergeel blom kan beskryf word as 'n ligter, aangenamer weergawe van die murgpampoentjie. Die rou bloeisel maak 'n heerlike bydrae tot slaai, maar hy is meer bekend as 'n restaurant-kwaliteit voorgereg wanneer hy met 'n roomkaas gevul word voordat hy in deeg gebraai word. Saai hierdie wannerplant laat in die Lente wanneer die grond warmer is.



## 9. Paardebloem

Enige tuinier wat moeite aan sy grasperk spandeer, kan waarskynlik uit een mond praat oor die irritasie wat paardebloeme veroorsaak. Wat meeste mense egter nie weet nie, is dat dit 'n uiterste voedingsryke plant is – des de meer; dit word as 'n sogenaamde superfood onder groen-groentes beskou! Die hele plant is eetbaar, maar sy blom is op sy soetste wanneer hy jonk gepluk word. Hoe ouer die bloeisel raak, hoe meer geneig is hy om 'n bitter smaak te ontwikkel. Braai gerus die jong bloeisel in 'n degie vir 'n krakerige peuselhappy. Paardebloemblare word ook al jare as 'n alternatief vir roketblare gebruik. Pluk die blare terwyl die plant nog jonk is, voordat bloeisel kans gehad het om te ontwikkel. Dit is van uiterste belang dat hierdie plante in 'n gekontroleerde omgewing – verkieslik in potte wat gedurig gereguleer word – geplant word, om sodanig te verhoed dat jou tuin oorgroei word.

## 10. Viola

Winterkosse hoef nie vaal te wees nie! Hierdie winter bloeisel is by nismarkte 'n gewilde verskynsel in koekversiering, en selfs binne-in harde lekkers soos stokkielekkers. Dit bied 'n soet, grasserige of 'groen' geur, en is beskikbaar in 'n legio van kleure. Helder jou wintertuin se volsonkolle op met 'n verskeidenheid van eetbare kleure, voordat die plantjies tydens die warmer maande doodgaan.



Vir meer inligting oor hierdie plantereeks, kontak gerus Pot & Plant by 072 796 3278 of [potnplant@twkagri.com](mailto:potnplant@twkagri.com) ■



# DIY with (our own) Riaan



## Spring is here: time to declutter

Home working and home schooling during a pandemic may have resulted in unwanted clutter in your home. Here are 12 ways to manage the stuff in your home “a litter bit” better.

Springtime has always been the season to get rid of all those unwanted, misplaced and dust collecting objects and clear your home, so it recovers its peace. Clutter happens to all of us, so don't feel bad. Follow this checklist and your space will be clear and organised sooner than you think.

### Sort crowded and unclear countertops and surfaces

When you go to a hotel room, the counters are free of clutter and appear spacious and clean. This same feeling applies to your own home. When your kitchen countertops are full of clutter, your space looks dirty even when it isn't. These “hotspot” areas are the areas that become dumping grounds for all-sorts, meaning these areas are the top trouble spots that make your home look cluttered. If you tend to create piles and decorate your dresser tops and bedside tabletops, you'll easily turn your home into a cluttered zone.

#### The solution:

Sort and store. Since these places are dumping grounds, sort out what should go where, and put things in their correct places in the living areas, study, and/or children's rooms. Utilise those cabinets and drawers. Put away any and everything you can (even though you might use them every day). Only leave minimal decorations on your countertops. This will lead to them looking clean and spacious and will achieve that uncluttered look you desire.

### Pair down on your décor and get rid of excess

Any home decorator knows that one can go overboard when it comes to decorating your home. This might be too many family photos, too many ornaments and collectibles, and so on. However, to achieve that peaceful feeling, every room needs space for the eyes to “rest”, so this means that not every corner or open wall space of your home requires decorations. Otherwise, even a room that is clean but filled with excessive decorations still feels dirty giving the appearance of a cluttered and dust collecting house.

#### The solution:

Minimize your decor. Go through your space and remove outdated photos and decorations. Not every book you own needs to be on display. Not every family photo needs to be hung on the wall. Move those photos to an album. Try to leave frequent places where there is empty space.

### Clean the exterior of the refrigerator

The exterior of the refrigerator has tendency to become a clutter spot quickly. A completely covered refrigerator is one of the things that makes your kitchen look too full of stuff. Even the cleanest kitchen looks messy if the refrigerator is covered.

#### The solution:

Create a good paper filling system for all those notices and set up a “command centre” elsewhere, preferably not in full view of the house. Take everything down, file what you need to, address that “to do” list, and only hang what is necessary on the fridge. Buy three pretty magnets and keep to that.

### Clear those entrance areas

The entryway to your home is the first impression of your home. Address this area with great urgency. If you live in a cold or wet climate where you often remove your shoes, this is an area that requires special care and attention.

#### The solution:

Create a mudroom area that is not in full view of the front door. If you don't have this space, go for a creative solution for shoes (an old bookshelf, repainted with a pretty piece of fabric that can be drawn over the front, for example). Create a pretty clothes hook or three where you and your family can hang coats, gloves, and bags. This will not only create space, but it will also mean you're better organised.

**Throw away old paper or file the paper that's in piles**

Piles of paper and artwork coming home from school can spend months lying about throughout the home; this is another of the many things that make your house look cluttered.

**The solution:**

Create a good paper and mail filing system; make it a policy that every paper that comes into our home gets either filed or eliminated. Make a habit of addressing the paper clutter daily, so you can stay on top of this problem. A good rule of thumb is to only handle papers once. Artwork, too, can either be displayed in an area or filed away for memory.

**Get rid of unwanted toys or store them away**

A cluttered house full of toys is certainly a battle for most moms. This often requires a good sorting routine, and creative storage solutions.

**The solution:**

We need to eliminate the clutter before we can store it all away. Go through the toys routinely and throw out anything that is broken. Donate anything that is no longer enjoyed by the kids. Store away half of the toys and rotate them monthly. Teach the kids to do a daily toy clean up with you until they get the hang of doing it on their own. Clean up should be accomplished in 10 minutes or less. If you cannot do it in ten minutes, your storage system is probably too complicated to maintain.

**Be selective with your furniture and don't have too much**

Everyone has been in a home that is filled to every corner and wall with furniture. Sometimes we inherit furniture and antiques, and we don't quite know what to do with them. We feel guilty for parting with them because they belonged to a loved one. But getting rid of furniture or gifts from loved ones does NOT mean you don't love or appreciate the person. You can't enjoy these items if they create a cluttered house. You want to fill your space with the things that you love. Keeping everything that everyone gives you will prevent you from doing that, and it will become one of the main things that make your house look cluttered.

**The solution:**

Go through your home and remove any excess furniture and create space for the eyes to "rest", while creating feature pieces and arrangements with the belongings that remain.

**Put clothes away or in the laundry**

We all have to deal with laundry and the work that it requires. Laundry baskets full of dirty clothes create a cluttered house if you don't address this daily. Even clean, folded laundry can be one of the things that make your house look cluttered.

**The solution:**

Be water wise and wash only on certain days. Get into the habit of putting clean laundry away every single day. Do not let it linger. Avoid hanging clean clothes on chairs or the beds. Create a specific space and an attractive laundry bin to store unwashed clothes in an easily reachable area for everyone, until they need to be washed.

**Crockery in the sink or on the countertop**

Dirty dishes must be addressed daily. Just like clean laundry, even clean dishes can be one of the things that make your house look cluttered if you fail to put them away.

**The solution:**

Once dishes are clean and dry, put them away as soon as you can to avoid this cluttered house issue. Use pretty crockery creatively as centrepieces, fruit bowls and even wall hangings, rather than leaving them lying around gathering dust.

**Don't tolerate unmade beds**

Unmade beds are one of the easiest and fastest clutter issues to remedy and one of the things that make your house look cluttered if not addressed.

**The solution:**

Make your beds daily. Teach the kids to do so, also. Once a bed is made, you are far less likely to pile anything on it.

**Overfilled shelves and crowded cabinets**

Too much clutter on shelves and cabinets creates stress because things become impossible to find and retrieve when cabinets are too full.

**The solution:**

Unpack all your cabinets and sort through what you use and what you don't use. Eliminate all of the excess either through a charity shop or by giving it away. Give those old shelves a good clean and lay down some serene shelf paper. Create a space for only what you use and love. Pack away, putting the most frequently used items in an easy-to-reach spot.

**Reduce and rearrange cords and wires**

We all have and use our home electronics, but the cords are unsightly and can become a safety hazard.

**The solution:**

There are plenty of ideas and resources available to hide away your wires, from taping them to the floor and covering with the rug, to wire covers for walls. Even a small baskets where you can place your adaptors and run your wires through holes can make an attractive solution.

Source: *Sunbird Interiors*

[marisa@sunbirdmarket.co.za](mailto:marisa@sunbirdmarket.co.za) | 079 969 8823 ■

# Mandela Day Initiative

## GRIP HOUSE

One of TWK's Mandela day projects was to support the GRIP House in Piet Relief with much-needed food supplies and a new roof for their carport.

Since 2000 GRIP has provided healing and support to over 25 000 survivors of sexual assault and domestic violence. As the struggle against sexual and gender-based violence continues, GRIP's services have become even more essential to our community. We applaud their efforts in supporting and housing the families affected by gender-based violence.

## SAFE HAVEN FOR ABUSED CHILDREN

TWK's second initiative for this year's Mandela day was to support a safehouse based in a rural area to protect and shelter abused children.

The host of the safehouse acts as the children's guardian until such time which they can provide a safe haven for the children in need.

There are currently six children being cared for in this safehouse, where

the host works closely with the local municipality to provide safety for these children. TWK Agri made a contribution to the children through food items and day-to-day toiletries.



11 De Wet Street, Piet Relief, 2380  
 T: (017) 824 1000 | twk@twkagri.com

GRIP HOUSE



# KZN Food Drive

TWK Agri sent food and supplies to our colleagues in KwaZulu-Natal.

Maize, milk, soup powder, vegetables and canned food were taken to Howick and further distributed to Ixopo, Harding, Mooi River and Winterton.



# Super Hero-gholfdag

Saterdag, 15 Mei 2021, het die gemeenskap van Piet Retief bymekaar gekom vir 'n Super Hero-gholfdag. Hierdie gholfdag is gehou as fondsinsameling vir CMR Piet Retief en Big Hearts Foundation. Hulle doel is om gesinne in ons omgewing te help waar dit die nodigste is.

Verskeie individue en besighede het in hierdie dag ingekoop en sowat R170 000 is ingesamel. Die gholfdag was 'n reuse sukses! Baie dankie aan elke borg en besigheid wat op so 'n manier 'n verskil in ons gemeenskap maak.

'n Spesiale dank aan Agri Pieces en Metal Events wat op hierdie dag as hoofborg opgetree het.



# Pot & Plant geopen by Welverdiend Gastehuis

TWK Kwekery is al jare sinoniem met dienslewering in en om Piet Relief, maar soos met alle groeiende organismes, het die tyd gekom dat daar by die veranderende behoeftes van die Kwekery se kliëntebasis aangepas moes word.

Met die toevoeging van Sunshine Seedlings tot TWK Agri se kwekers-korps, moes daar besin word oor die bes-gepaste ligging om aan beide huishoudelike- én kommersiële plant-behoeftes te kan voorsien. Daar is besluit om van TWK Kwekery se perseel gebruik te maak om as basis vir Sunshine Seedlings te dien, en om voelers na nuwe moontlike liggings vir die huishoudelike tuinbou-afdeling uit te steek.

Dit was nie lank voordat daar op die lowergroen grasperke van Welverdiend Gastehuis en Konferensie fasiliteit besluit is om as nuwe tuiste vir die Kwekery te dien nie. Met die reuse ou plaashuis wat stemmig sy plek in die middel van die erf volstaan, is daar besluit om met 'n moderne boustyl die verandering van die tye te vier, maar terselfdertyd ook die ryk geskiedenis van Plot Welverdiend te respekteer. 'n Oopplan-winkel is vanuit drie metaal "CONTAINERS" gebou. Dié winkel begroet klante met 'n hout prieel wat na die tonnells lei.

Op 26 Mei 2021 het Pot & Plant @ Welverdiend sy deure geopen, nadat meer as 52% van TWK Agri se sosiale media-volgers vir dié naam gestem het. Met die reuk van vars koffie wat besoekers met die intreeslag begroet, verwelkom Pot & Plant jou om rustig deur die winkel en tonnells te wandel, terwyl die geruis van die wind deur die omliggende plantasies 'n gevoel van rustigheid skep wat mens maklik kan laat vergeet dat jy wel net 'n klipgooi van die midde-dorp se gejaag is.

Met meer as 39 jaar se gesamentlike ervaring in die tuinbou-bedryf, is Pot & Plant se grootste aanwys sonder twyfel die drie dames wat noue bande met vele klante al gevorm het – soveel sô dat hulle sommer al sommige klante se plant-voorkeure en -afkeure ken. Josephine Shelemba, beter bekend as 'Ouma', vestig graag haar aandag daarop om groente- en kruie-saailinge sorgvuldig te bewerk, terwyl sy die Kwekery se pesbestryding behartig. Magret Zwane se kreatiewe insette kan gesien word in die keurige manier wat plant-uitstallings regdeur die tonnells kort-kort verander word, terwyl sy die voorraad op hande sonder moeite kan opnoem. Ntombenhle (Tiana) Thwala se stil benadering tot kliëntediens kan gesien word in die manier wat sy sonder skroom 'n koppie koffie sal aandra, terwyl sy seker maak dat die winkel se dekor ten alle tye perfek vertoon. Vir 'n beter span kan daar nie gevra word nie.

Soos wat Pot & Plant @ Welverdiend onder die sambreel van TWK Agri aanhou groei – meer letterlik ook onder die pers jakarandakombers van Oktober; word besoekers aan Piet Relief uitgenooi om op Plot Welverdiend die genot van groei te gaan ervaar. Die koffiepot staan klaar gereed.

# Ondersteuning van TWK Graan tydens onluste

Mkondo Meule het tydens die onluste in Julie-maand 'n helpende hand verleen aan eksterne voedingsprojekte. Ingesluit in die kospakkies was Shonalanga Braaipap, Super Strong- en Mpumalanga Special-meel.



## TWK sê totsiens

Dit is met leedwese en groot hartseer dat ons totsiens sê aan Margaret Smit.

Margaret was deel van die TWK Krediteure span en het diep spore in almal se harte getrap. Margaret, of Margie soos sy onder haar kollegas bekend was, was 'n liefdevolle mens wat kon lag tot die tranes geloop het. Margaret het in Julie 2005 by die TWK-familie aangesluit, waarby sy aangestel was by kasboeke en van daar geskuif het na die krediteure afdeling. Sy was bereid om enige taak aan te pak met baie toewyding. Margaret was 'n baie betroubare kollega waarop die kasboeke- en krediteure afdelings kon steun.

Langs die viswaters was Margaret 'n kranige vissersvrou en het graag aan visvangkompetisies deelgeneem, en ook gewen! By enige visvangkompetisie moes haar mededingers altyd op die uitkyk wees na haar, want sy het haar merk duidelik gemaak.

Margaret was 'n liefdevolle ma en vrou en word oorleef deur haar man, Pieter, en haar twee kinders, Sanet en PG.

Margaret, jy laat nie net 'n leemte in jou afdeling nie, maar in die hele TWK en in elke persoon met wie jy in aanraking was. Ons lief en leed gaan uit aan Margaret se familie en vertrou dat die Here julle styf sal vashou in die moeilike tyd.



Margaret Smit

## TWK sê totsiens

Dit is met leedwese en groot hartseer dat ons totsiens sê aan Neels Nel.

'n Groot boom het geval. Die Here praat in die Bybel baie van oor groot bome, hulle voorsien beskerming, skaduwee, en 'n plek om te leef.

'n Gewaardeerde vriend en kollega, Neels het 'n hoë werksetiek en integriteit gehad wat gewaardeer is deur kollegas en kliënte. Hy is geken as 'n opregtige mens en hy was ongelooflik lief was vir sy vrou en kinders.

Hoe hoër die boom hoe dieper die wortels. 'n Boom is ook 'n simbool van lewe en 'n simbool van visie. En dit is wat Neels was vir elkeen in wie se lewe hy kom groei het. Hy was 'n wonderlike man vir sy vrou en 'n rots vir sy kinders. Hy was 'n mentor en 'n vriend, elkeen kan getuig, wie hom ken, hoe wonderlike mens Neels was.

Ons het jou verloor aan die ewige lewe en ons gaan jou mis maar ons is dankbaar dat ons jou kon ken en dat jy ons lewens kom aanraak het.

Ons lief en leed gaan uit aan Neels se familie en vertrou dat julle styf vasgehou word deur die Here gedurende hierdie uitdagende tyd.



Marleen en Neels Nel

# Is your kitchen Spring-ready?

We share some simple but tasty recipes to lighten up those fresh Spring days.

## Make your own edible flower syrup

What better way to welcome the warmer weather than with a deliciously colourful flower-infused syrup added to your gin & tonic, desserts or even to your lemonade? Follow these easy steps to create your own perfumed flavoursome syrup that is begging for a place in your pantry.

### Ingredients:

- 1 cup granulated white sugar
- 1 cup water
- 2 teaspoons to 1 cup edible flower petals
- Additional herbs, spices or flavourings (optional)
- Liquid food colouring (optional)

### Method:

1. Pick an edible variety of flowers of your choice, such as roses, hibiscus, lavender, chamomile or even tulips. (Choose only fresh flowers that are in full bloom and do not show any sign of wilting or disease.)
2. Snip the blossoms loose from the stem, and lightly wash the flowers in cool water to remove any visible dirt or insects.
3. Prepare your flower for cooking by plucking the petals individually. Discard the stems, leaves, bulbs and any green bits – you're after the colourful parts only!
4. Combine the sugar and water in a medium saucepan. (For a thicker syrup, use two parts sugar for every one part water)
5. Heat the syrup mixture to a low boil. Stir the mixture as the sugar dissolves. The syrup should just begin to bubble around the edges when it reaches the optimal temperature. Once the sugar has completely melted, you should be left with a thick, lightly-coloured liquid.
6. Sprinkle a handful of the flower petals directly into the simple syrup. Depending on the type of flower you've selected, you may need to use slightly more or less in order to achieve your desired flavour. (You will rarely need to use more than one cup!)
7. Simmer the mixture for a minimum of thirty minutes. The heat will unlock the essence of the flowers, infusing the syrup with robust flavour and colour. The longer you allow the flowers to steep, the more potent the finished syrup will be.
  - If you'd like to incorporate food colouring or other ingredients such as vanilla, cinnamon, rosemary, or even citrus, this would be the time to add it to your mixture.
8. Remove your syrup from the heat and strain into a container to remove the flower remnants – a wire colander works best. Dispose of the spent flowers.
9. Leave the lid off the container until the syrup has had a chance to cool.
10. Once cooled, store in an airtight container in the refrigerator, where it will keep well for quite a couple of weeks. If the syrup starts to ferment – it has gone bad.
11. Add your syrup to ice cold lemonade, champagne, or other sparkling spirits. You can even use your syrup to flavour desserts crème brûlée or flavour your cake frosting.



# Tertjies en Teekoppies

Klassieke boerevertroosting

## Gebakte Melktert

Moenie n gebakte melktert vlak kyk nie. Hierdie tradisionele resep bly een van ons klassieke gunsteling.

### Kors bestanddele:

- 3k meelblom, gesif
- 1t kremetart
- 250g botter (koud)
- 1k room (koud)
- 1 eiergeel
- 2e suurlemoensap of asyn
- 2e brandewyn

### Metode:

1. Sif die meel en die kremetart drie keer saam.
2. Rasper die botter by en vryf in.
3. Meng die room, eiergeel, suurlemoensap en brandewyn en klits effens tot skuim.
4. Gooi hierdie mengsel oor die meelmengsel en maak liggies aan.
5. Alles moet yskoud wees.
6. Voer tertborde of panne hiermee uit.

### Vulsel:

- 6k melk (250ml x 6)
- Kook die melk saam met stukkie lemoenskil en pypkaneel.
- Meng tesame: 1k meel, gesif, ½ klein k mielieblom, 1½k suiker en 1k melk.

### Metode:

1. Verwyder die skil en pypkaneel uit die kookmelk.
2. Roer die meelmengsel in en laat kook tot gaar.
3. Klits 8 eiergele aangemaak met 'n bietjie van die warm melktertpap en roer in asook 1 hoogvol e botter en knypie sout.
4. Klits die eierwitte goed, maar nie droog nie en vou in vulsel.
5. Skep in die panne met die kors en bak 5 minute vinnig in 'n warm oond van 200°C (400°F).
6. Verminder hitte na 180°C (350°F) en bak nog 10 minute.

Wees asseblief bedagsaam teenoor die kleinspan wanneer u bak of kook met alkohol.

Resep deur Joey Pienaar

Die resep is oorspronklik in Knuppeldik aan koningskos gepubliseer.

Uitgewer: Knuppeldik Trust

Om die resepteboek te bestel, kontak Carlien Liebenberg by 083 319 9636



# Tertjies en Teekoppies

Klassieke boerevertroosting

## Ma Sarie se Piesangbrood

Hierdie bekende lekkerny is 'n absolute MOET in elke boerenooi se kombuis, saam met 'n koppie tee, 'n dik lagie botter of room en 'n snoesige sitplek. Maak seker niks hinder die oomblik nie!

### Bestanddele:

- 125 g botter
- 375 ml suiker
- 3 eiers
- 5 ml vanieljegeursel
- 250 ml fyngedrukte piesangs
- 500 ml koekmeel
- 10 ml bakpoeier
- 1,5 ml sout
- 25 ml melk

### Metode:

1. Voorverhit die oond 180°C.
2. Klits die botter en suiker saam.
3. Voeg die eiers by.
4. Voeg geursel by.
5. Vou piesangmoes by.
6. Sif droë bestanddele saam. Voeg dit om die beurt met die melk by die piesangmengsel.
7. Skep in gesmeerde broodpan en bak 1 uur tot gaar. Baie lekker!!



## Crème Brûlée in 5 minute

This simple sosatie will wow your guests and compliment your meat as a tasty side.



### Bestanddele:

- 125ml room
- 250ml winkelvla
- 15ml bruinsuiker

### Metode:

1. Klits die room styf en vou vla by room in.
2. Gooi in ramekin bakkies.
3. Sprinkel die bruinsuiker bo-op.
4. Gebruik 'n blaasvlam en brand die suiker tot dit gekaramelliseer het.
5. Laat staan sowat 1 minuut tot die karamel afgekoel het en sit dadelik voor.

## Spesiale Pannekoeke

Mooi weer en warm... Daar is altyd 'n oop gaaltjie vir 'n pannekoek!



### Bestanddele:

- 3 eiers
- 1½k meelblom
- 1t bakpoeier
- knypie sout
- 3e brandewyn
- 3e gesmelte botter
- 2 k melk of water (verkielik water)

### Metode:

1. Breek die eiers in 'n glasbak en klop dit goed saam met die brandewyn.
2. Sif die droë bestanddele by en dan die water of melk en laastens die botter.
3. Bak en geniet. (Dit is eintlik die brandewyn wat die geheim is)

Wees asseblief bedagsaam teenoor die kleinspan wanneer u bak of kook met alkohol.

Resep bronne: Knuppeldik aan Koningskos | [www.foodloversrecipes.com](http://www.foodloversrecipes.com)

### Contact Us

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Sat: 08h00 - 12h00



## POT & PLANT NOW OPEN

TWK Nursery has served local farmers, gardening enthusiasts and small growers for many years.

After obtaining shares in Sunshine Seedlings in late 2020, it was decided to find a new home for our domestic gardening section, in order for Sunshine Seedlings to focus on serving the commercial grower.

On 26 May 2021, Pot & Plant @ Welverdiend opened its doors. Our exclusive nursery boasts a variety of plants, vegetable seedlings, garden ornaments and much more.

Come and enjoy a cup of coffee while taking a stroll through our beautiful shop and get inspiration to make your next gardening project an unforgettable one!



A photograph of a person standing in a vast field at sunset. The sun is low on the horizon, creating a bright glow and long shadows. The person is silhouetted against the bright light.

# EXERCISE OUR FAITH

While reading the Word of God early this morning there is one thing the Holy Spirit impressed upon me, and that is that the Lord Jesus didn't get angry very often. But we read the account of what took place in the Temple, when they were making His Father's house into a business centre and He made a whip, if you remember, and cleared out all the hawkers and those that were selling and doing business in the Temple.

The next time we see that He was very angry, was when the disciples could not cast out the demon from the young boy. He says in *Mark 9:19 (NKJV)*, "*He answered him and said, "O faithless generation, how long shall I be with you? How long shall I bear with you? Bring him to Me,"* and of course then he cast out the demon.

So the time that He got very angry with His disciples and obviously the crowd, was when He saw how little faith they had. One of my favourite scriptures in the Bible is just a little bit further along in *Mark 9:23 (NKJV)*, "*Jesus said to him, "If you can believe, all things are possible to him who believes."*

We really need to exercise our faith in these troubled times in which we are living. Not faith in faith, but rather faith in the Lord Jesus Christ. So this week, concentrate on the things of God and that will increase your faith to believe for a miracle in your life.

Jesus bless you  
Angus and Jill Buchan



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\* Results may vary according to growing conditions, genetics and management.

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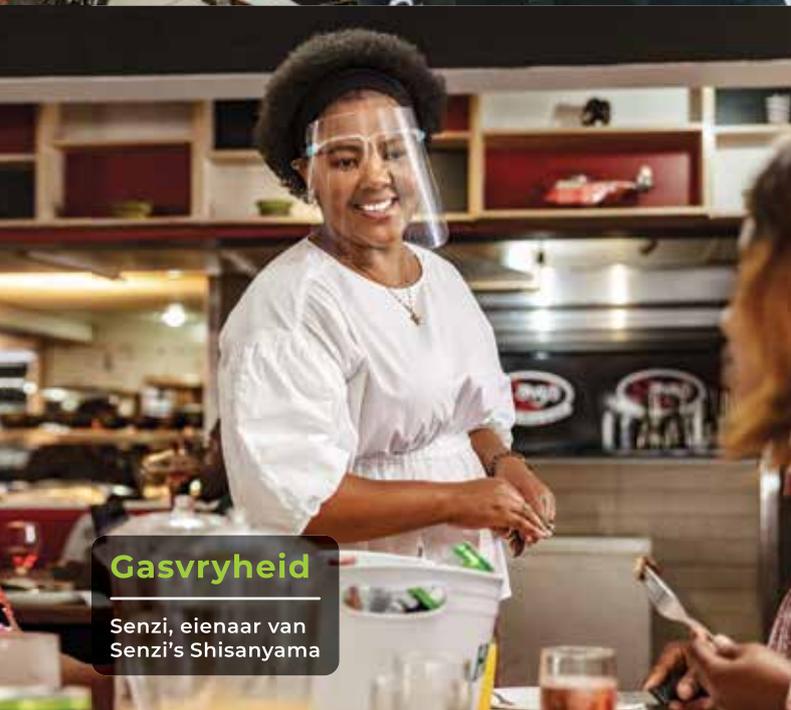
### Kleinhandel

Justin, eienaar van Sign Wonder



### Vervoer

Shania, eienaar van Nalagistix



### Gasvryheid

Senzi, eienaar van Senzi's Shisanyama



### Landbou

Elmarie, eienaar van Amaphuphu Wethu-Plaas

# BESIGHEIDSVERSEKERING VIR JOU SPESIFIEKE BEHOEFTE

Jou besigheid se risiko's en bates is heeltemal uniek en die kans is goed dat jou behoeftes heeltemal verskil in vergelyking met dié van 'n soortgelyke besigheid twee blokke verder. Business OUTsurance ken hulle storie as dit by versekering kom. Of jy dus in die landboubedryf, vervoerindustrie of in die gasvryheidsbedryf werksaam is, hulle gaan uit hulle pad uit om jou versekeringbehoefte te verstaan en seker te maak dat jy presies die regte versekering teen die regte premie ontvang.

Vir 'n OUTsurance-kwotasie skakel jou eie  
**TWK Agri-makelaar by 017 824 1000.**



Besigheid