

for the essential & vegetable seed oils industry

DIRECTORY OF PRODUCERS AND CATALOGUE OF INDIGENOUS AND CLASSIC SPECIES • •









### Foreword

The Natural Product industry has experienced renewed interest over a wide range of applications, with organic certification of many products being driven by demand. With the modern consumer conscious of the advantages and value of natural products of good quality, it is imperative that quality is addressed. Certification and standardisation have therefore become a priority in the marketability of natural products, including essential and vegetable seed oils. Information about the supplier, the processing and the end product is required in most natural products.

Most buyers will ask the frequently asked questions, e.g. quality, quantity available, source of plants, sustainability, certifications and properties of a product, even though the answers might be in the public domain. Product information is mandatory and regulations specify that it appears on the labels. Traceability is regarded as crucial, especially with organic and natural products.

Information on natural products is valuable when a formulator must choose between a well-known classic oil or a niche and indigenous oil. The properties need to be compared for a specific application. This document combines information on the producer, the product, sustainability issues and expected quality values. However, summative information on some of the species has not been easy to obtain, especially on the indigenous ones.

The contact information of all the producer members of the association in the Southern African Development Community (SADC) is available in the publication as a directory, while the catalogues provide the latest research findings, with the technical information on the products included. The sustainable supply of a product is significantly important in the development of current products, hence the information about the supplier is included.

We wish to thank the GQSP-SA Phase II project for its vision and support in producing this comprehensive document as a guide for the benefit of the consumers of essential and vegetable seed oils, as part of the natural product industry.



Chairperson
Nnana Makhubu



Executive Director Karen Swanepoel

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### Essential and Vegetable Seed Oils produced in SADC

With their rich biological diversity and the rapidly escalating demand for essential and vegetable seed oils worldwide, the countries of the Southern African Development Community (SADC) region have the potential to be global suppliers of essential and vegetable seed oils, and to grow the local industry into a productive and economically viable industry. As an example, South Africa alone hosts 21 000 species.

While the essential oil and vegetable seed oil species have high-impact value chains that are of strategic importance to SADC countries due to their potential in generating GDP and new employment opportunities, industry needs to ensure sustainability of supplied quantity and consistent quality if the producers are to access international markets.

The industry is thus acutely aware of the importance of producing a consistent quality of oil for the reputation of the enterprise and the industry, as it affects the safety of the value added product but also the economics of the industry.

As a result, the Southern African Essential Oils Producers Association (SAEOPA) was established in 2000 as a non-profit organization, to promote essential oils and natural plant products' production, processing and export. With the assistance of the Global Quality and Standards Programme South Africa (GQSP-SA) since 2018, SAEOPA's membership has grown from 38 in 2018 to more than 190 members in 2023, not only from South Africa, but also from other SADC member states and Uganda.

#### **Essential oils**

**Essential oils:** a class of volatile odours/fragrant oils originating in certain plants. They are produced from steam distilling of the harvested vegetative material and used in various applications in flavour and fragrance industries, as well as pharmaceutical and neutraceutical products. The hydrolat is a by-product of the oils and is sold as well.







Colours of essential oils vary: For example, Cape Chamomile has light green, blue to ink blue oil. Lippia oil is golden yellow and Geranium is deep green in colour.

### Vegetable seed oils

Vegetable seed oil: an oil extracted from fruits, nuts or seed. The seeds of mature plants are cold pressed and filtered to produce a vegetable seed oil, commonly used as a carrier oil in aromatherapy and as an ingredient in natural cosmetics. The seed cake is a valuable animal feed as was experienced in times of drought.









Vegetable seed oil differs in colour. For example, Kalahari Melon is light yellow in colour. Marula is dark yellow in colour while Manketti/ Mongongo is lighter. Ximenia is bright yellow to orange in colour.



- Producers of Essential and Vegetable Seed Oils in
- Southern African Development Community (SADC)





## **ESSENTIAL OILS**

#### **KEY**: Producers of Essential oils



Buchu



















Tagete







**LG** Lemongrass

Rosemary

Tea Tree

Yarrow



Company	Contact	Essential Oils produced	Organic Certified
	SOUTH AFRICA		
AGRELLA	Kobus Agrella AGRELLA kobusagrella@gmail.com 071 058 3693	L	
AND Aurora	Lourens Kotze AURORA NATURAL MEDICINALS  ljkotze76@gmail.com 072 125 0559	B Cother: Cannabis	$\checkmark$
Ayanda  AFRICAN OILS	Mathias Wessels AYANDA mat@ayandaoils.com 084 407 1570	E RG	$\checkmark$
BAVIAANSKLOOF ESSENTIAL OILS	Hestelle van Rensburg BAVIAANSKLOOF hestelle@baviaanskloof.info 072 727 8654	R	
BEYTEL'S	Johan Beytel BEYTEL'S admin@antiwaste.co.za 072 200 8037	u	
LACKMORE INVESTMENT HOLDINGS	Isaac Moore BLACKMORE blackmoreholdings@gmail.com 061 408 1584	RG	
BNX  Penne Agra years and Penne Managaring	Henry Mahlobo BNX hmahlobo@gmail.com 073 407 2620	H U RG R Other: Agave	<b>√</b>

Company		Contact	Essential Oils produced	Organic Certified
B·O·N BUSBY OILS NATAL		Jarrett Pech BUSBY jarrett@busbyoils.co.za 083 462 569	E	<b>√</b>
CANETTEVALLEI LAVENDER		Ingrid de Waal CANETTE VALLEI pella@adept.co.za	L	
CHARMINKO OILS		Rhyno Fourie CHARMINKO OILS rhynofaaf@gmail.com 076 149 0793	нш	
DINDA		Patrick Mathebula DINDA pdindatech@gmail.com 082 402 2445	K	
EARTH OIL 100% ESSENTIAL DIL		Natasha Rentzke EARTH OIL info@earthoil.co.za 083 320 5538	R	
essential distillation equipment		Werner Bester EDE werner.ede@vodamail.co.za 082 334 3324	Distillation unit engineer	
EZINQOLENI ESSENTIAL OILS  FROM FARM TO FINISH	1	Derrick Classen EZINQOLENI ESSENTIAL OILS derrick@ezeoils.com 083 407 3128	L LG RG R V LI	<b>√</b>
EMERALD ACRES		Bonita Wenning EMERALD ACRES emeraldacres2@jenny.co.za 082 579 8944	E UTT	<b>√</b>
<b>€</b> Eucaforest <sup>™</sup>		Nicola Laubsher EUCAFOREST  nicola@eucaforest.com 082 940 5872	B E III	
Herbs-Aplenty ® Since 1993 Specialists in Organic botanicals		Pietersarel De Bruyn HERBS-APLENTY info@herbs-aplenty.com 082 562 2343	B CC H  RG  Other: Bay leaf, Marjoram, Mint, Thyme	<b>√</b>

Company		Contact	Essential Oils produced	Organic Certified
THE STATE OF THE S	26	Riana Minnaar HIGHLAND ESSENTIAL OILS info@highlandessentialoils.co.za 082 789 3035	CC H L R  RG T V WA  Y Other: Rose	$\checkmark$
HillSide Oils HIGHEST QUALITY ESSENTIAL OILS		Christian Watkins HILLSIDE OILS hillsideoils@outlook.com 082 491 1578	B CC E H  LI L LTT R  RG T V WA	
IKETLE		Oniccah Nkoe IKETLE nkoeoniccah@gmail.com 071 832 7025	L RG	
I M P E		Gideon Bosman IMPE gideon@bredfin.co.za 082 461 5522	BE	
Javenteli Erad cavar annua rasia		Mariaan Botha LAVENTELI mariaanbotha0@gmail.com 072 710 7081	L R	
Lokenburg		Herman Nel LOCKENBURG hermaans48@gmail.com 072 931 5734	B CC H	
NYOKANENI		Johan Nkosi <b>NYOKANENI</b> jnkosi42@gmail.com 071 945 9404	RG	
Obed's	r d	Obed Nelovholwe OBED'S OILS obed.nova@gmail.com 082 549 1454	H U RG T	
PHATSIMA SHAVDE PRODUCERS		Nosipo Mkumatela PHATSIMA SHAYDE womensfreedommail@gmail.com 064 849 3351	RG	
© SOBO		Tafara Shuro QOBO QOBO tafara@qoboqobo.co.za 076 717 1929	CC RG	

Company		Contact	Essential Oils produced	Organic Certified
Rosehip Farm		Wynand Gericke ROSEHIP FARM wynand@rosehipfarm.co.za 082 337 7628	H WA	$\checkmark$
ROSEMARY HILL		Huibert Franken ROSEMARY HILL thomas@rosemaryhill.co.za 083 252 3796	E U L	
PUAH  AROJERESE		Trudie Kasselman <b>RUAH</b> info@ruah.co.za 071 874 6524	L RG	
SARAH B IVAN FARMING ENTERPRISE		Ivan Shabangu SARAH & IVAN FARMING ivansha3@gmail.com 079 190 4520	RG R	
Scientific VRoots		Merida Smuts SCIENTIFIC ROOTS merida@scientificroots.org 083 630 7787	H LI L LG M R IT WA Other: most classic oils	
CENZUBUHLE CANADAMA & PROJECTI		Nnana Makhubu <b>SENZUBUHLE</b> nnana.mahlangu@gmail.com 064 094 4563	LI RG	
<u>S</u> OiL	30	Grant Mc Murray <b>SOiL</b> grant@soil.co.za 084 622 8811	E H R  RG T TT  Other: most classic oils	<b>√</b>
SOOTH	60)	Neeltjie Swanepoel SOOTH hjspoel@mweb.co.za 083 325 4461	R	
TEMOTHUO	9.0	Phyllis Mphogo TEMOTHUO moke.mphogo@gmail.com 082 311 7314	u RG	
THOMAC ESSENTIAL OILS		Julie mac Mahon THOMAC ESSENTIAL OILS julie@thomac-oils.co.za 073 223 6256	© E	

Company	Contact	Essential Oils produced	Organic Certified
Valley Vew Estate	Maryna Zellmer VALLEY VIEW ESTATE maryna@valleyviewestate.co.za 082 809 3805	C	
	ZAMBIA		
and Essential Old E	Philna le Roux	LG R RG	





Philna71@gmail.com 083 761 7621



### Catalogue of Essential Oils produced in Southern Africa

	Botanical name	Agathosma betulina/crenulata
$\binom{B}{}$	Uses	Pharmaceutical products and food flavouring
=	Part used	Leaves and stems
Oii	Distribution	Western Cape, wild and cultivated
Buchu	Oil description	<ul> <li>The oil has a strong, pungent, animalic and minty smell</li> <li>Light and pale straw colour to golden yellow, depending on the species and whether it is a hybrid of the two species in cultivated areas</li> <li>Buchu oil has a strong blackcurrant and minty scent and is known for its antiseptic and anti-inflammatory properties</li> </ul>
	Ecological status	The specie is wild harvested and cultivated as the wild population cannot supply sustainably for the demand of dried and oil products
	Unique feature	Buchu has a complex chemistry difficult to copy

$\wedge$	Botanical name	Eucalyptus smithii, E globulus, E radiata	
(E)	Uses	Pharmaceutical products and food flavouring	
E	Part used	Leaves	
Gum	Distribution	Originated in Australia, cultivated in SADC	
Blue G	Oil description	<ul> <li>The oil has a characteristic camphor smell</li> <li>Light and pale straw colour, depending on the species</li> <li>Eucalyptus is known for its antiseptic and anti-inflammatory properties</li> </ul>	
<b>B</b>	Ecological status	The specie is cultivated	
	Unique feature	Presence of terpenes and terpinoids	

Botanical name	Eriocephalus punctulatus/tenuifolium/africanus
Uses	Pharmaceutical and aromatherapy
Part used	Leaves and stems
Distribution	Eastern and Western Cape, wild populations as well as cultivated
Oil description	<ul> <li>The oil has a typical strong chamomile smell, and is light green to ink blue in colour</li> <li>The distinct blue essential oil obtained from Eriocephalus sp. is known in the trade as Cape Chamomile and has become an important ingredient in flavour and fragrance formulations</li> </ul>
Ecological status	Least concern (according to SANBI)
Unique feature	High value green to ink blue essential oil

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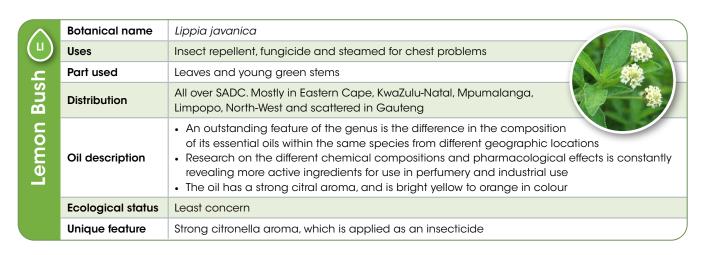
Botanical name	Nepeta cataria
Uses	Pharmaceutical products and food flavouring
Part used	Leaves
Distribution	Originally from southern and eastern Europe, the Middle East, Central Asia, and parts of China
Oil description	<ul> <li>The oil has a strong, pungent, animalic and minty smell</li> <li>Light yellow colour to golden yellow</li> <li>The oil and dried leaves are known to pet lovers - relax cats</li> </ul>
Ecological status	The specie is cultivated
Unique feature	The plant terpenoid nepetalactone is the main chemical constituent of the essential oil of Nepeta cataria

	Botanical name	Helichrysum splendidum/odoratissimum
H	Uses	Mood enhancement, perfumery and wound healing
ο̈́ο	Part used	Flowering tops
Everlasting, Cape Gold	Distribution	The genus is widely spread in all provinces, but mostly harvested in Limpopo and Eastern Cape
npepho, Everla Cape	Oil description	<ul> <li>The oil has a strong, spicy aroma</li> <li>Oil from <i>H. odoratissimum</i> is transparent, while those of <i>H. petiolare, H. splendidum and H. cymosum</i> are yellow to bright yellow in colour</li> <li>The highest yield is obtained from <i>H. odoratissimum</i> at 0.21% oil from the harvested and distilled herbage</li> </ul>
Ē	Ecological status	Not threatened
	Unique feature	Mind altering features when smoke is inhaled. Important during traditional ceremonies

$\wedge$	Botanical name	Tagete minuta
U	Uses	Perfumery, flavouring and pharmaceutical, insecticide, fungicide
ح	Part used	Young plant stems and leaves
snq	Distribution	Cultivated and wild harvested in SA Originally from Mexico but naturalised in SADC
Kakiebush	Oil description	<ul> <li>Deep yellow to orange, light brown to visually stunning dark red hue</li> <li>Rich, pleasing, almost sensual scent</li> <li>Fruity and very aromatic</li> </ul>
	Ecological status	Invasive if not utilised
	Unique feature	Alpha and beta thujone

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Laver

	Botanical name	Lavender officinalis/Lavandin	
)	Uses	General relaxer for anxiety, insomnia, restlessness, perfumery and aromatherapy	
	Part used		
	Distribution		
	Oil description	The oil is colourless to straw colour	
	Ecological status	Not invasive	
	Unique feature	Very popular and widely applied in several formulations	



	Botanical name	Cymbopogon citratus		
(re)	Uses	Culinary, room freshener and soaps and candles and cosmetic industry		
SS	Part used	Leaf tops		
ğ	Distribution	The genus is originally from India, but cultivated in frost free areas in SA		
пg	Oil description	The oil is light to dark yellow		
ō	Ecological status	Not invasive		
Len	Unique feature	Lemongrass contains phenolic metabolites (including phenolic acids, flavonoids, stilbenes, an lignans), terpenoids, and alkaloids, which are potent bioactive ingredients		

	Botanical name	Leptospermum petersonii	
(III)	Uses	It is widely used for pharmaceutical, food and beverage, and cosmetic applications, mouth wash, wounds, room and linen freshener	
ted ree	Part used	Leaves and young stems	
Scente Tea Tre	Distribution	The genus is cultivated in SADC but originated in Australia, New Zealand and Southeast Asia	
Lemon	Oil description	The oil is pale yellow, and has a strong, zesty, lemon fragrance useful in various applications in the flavours and fragrances industry	
<u>F</u>	Ecological status	Not invasive	
Unique feature Very popular and considered safe in several formulations with high citronella content			

	Botanical name	Pelargonium var Rose
(RG)	Uses	Aromatherapy, cosmetics, flavouring and pharmaceutical
Ε	Part used	Young plant stems and leaves
Geranium	Distribution	Cultivated from hybrid in Gauteng, Eastern and Western Cape, KwaZulu- Natal & North-West. It is also produced in Botswana, Kenya and Zimbabwe
	Oil description	<ul> <li>The essential oil in rose geranium leaves contains the constituent's geraniol, linaloo and citronello, which are also present in rose oil</li> <li>The pale green essential oil is steam distilled from fresh flowers, stalks and leaves</li> </ul>
Rose	Ecological status	Not in the wild, cultivated only
	Unique feature	Substitute for high value rose oil

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Botanical name	Rosemarinus officinalis/Salvia rosmarinus
Uses	Aromatherapy, cosmetics, flavouring and pharmaceutical
Part used	Young plant stems and leaves
Distribution	Cultivated in SA. Originally from Mediterranean countries
Oil description	<ul> <li>The essential oil in rosemary has three chemotypes: Camphor - borneol 1,8 Cineole Verbenone</li> <li>Rosemary Var. Verbenone essential oil is a pale yellow to almost colourless oil with a strong, fresh, woody herbaceous, and balsamic aroma</li> <li>High in Alpha pinene</li> </ul>
Ecological status	Not invasive
Unique feature	The Verbenone variety is considered the gentlest of the Rosemary chemotypes and is known to be less stimulating than Rosemary Cineole

$\wedge$	Botanical name	Melaleuca alternifolia	
	Uses	Antiseptic in many pharmaceutical applications	*
Φ	Part used	Young plant stems and leaves	
Tre	Distribution	Cultivated in SADC. Originally from Australia Cultivated in China and Europe	-10-
Tea	Oil description	<ul><li>Colourless to pale yellow</li><li>Characteristic terpinene</li></ul>	
	Ecological status	Invasive if not utilised	
	Unique feature	Alpha terpinene, Gamma terpinene, and Terpinene 4OL	

$\wedge$	Botanical name	Vetiveria zizanioides	NAME OF THE PARTY
V	Uses	Aromatherapy, cosmetics, flavouring and pharmaceutical	
<u>_</u>	Part used	Roots	
<b>&gt;</b>	Distribution	Cultivated in SA. Originally from Indonesia and India	
Vetiver	Oil description	Pale to colourless     Sweet earthy smelling, smokey or woody	
	Ecological status	Used to rehabilitate mining dumps and prevent erosion	
	Unique feature	One of the oils that is highest in sesquiterpenes	

$\wedge$	Botanical name	Achillea millefolia
(Y)	Uses	Aromatherapy, cosmetics, and pharmaceutical
≥	Part used	Flowering tops
Yarrow	Distribution	Cultivated in SA. Originally from Eurasia. Occurs widely from the UK to China. In North America, both native and introduced genotypes, and both diploid and polyploid plants are found
	Oil description	Deep inky blue     Herby, woody, sweet
	Ecological status	Not invasive in SADC
	Unique feature	Chamazulene is a sesquiterpene that exhibits anti-inflammatory and antispasmodic properties



### **VEGETABLE SEED OILS**

#### KEY: Producers of Vegetable Seed Oils























Company		Contact	Vegetable Seed Oils produced	Organic Certified
		SOUTH AFRICA		
AFRICAN EXOTIC EXOTIC		Sarel Salim AFRICAN EXOTIC OILS sarel@salimgroup.co.za 082 920 0218	M	
AND THE PROPERTY OF THE PROPER		Ockie Marais AFRICAN ORIGINS FARMING ockie@africanoriginsfarming. co.za 079 252 2977	KM	$\checkmark$
AUTHENTIC		Pamela Khoza AUTHENTIC ORGANICS  Pamela.khoza-Teeke@ authenticorganicssa.com 064 849 3351	M	<b>√</b>
BIOSYLX		Guillaume Delaunay BIOSYLX suzanne.barnard@biosylx.com 084 291 4905	BR	
BOTANICA -NATURAL PRODUCTS-		Will Coetsee BOTANICA  w.coetsee@botanica.africa 082 372 9765	B KM MN MO P	$\checkmark$
CHARMINKO OILS		Rhyno Fourie CHARMINKO OILS rhynofaaf@gmail.com 076 149 0793	KM	
DC	1	Gert Lubbe DESTEK SUPPLY SEED PRESSES gert@destek.co.za 082 892 3012	Supply of seed processing equipment & press	
ECO Products 100% BAOBAB		Gill Gilbert ECO PRODUCTS  gill@specoil.co.za 082 921 1342	В	$\checkmark$

Company		Contact	Vegetable Seed Oils produced	Organic Certified
EVERPEX PIX		Elisabeth Goyvaerts EVERPIX  africanoilsbyeverpix@gmail.com 082 775 7185	M R	
ESSEATE LEGISLATION OF THE PARTY OF THE PART	<b>(3)</b>	Flip Minnaar HIGHLAND ESSENTIAL OILS info@highlandessentialoils.co.za 083 303 8253	KM MO	<b>√</b>
Inca Green  Patural - Organic - Healthy		George van Rooyen INCA GREEN roeloff@incagreen.co.za 072 928 7455	M KM MO	
Marula		Marelize van der Westhuizen MARULA COMPANY marelize@marulacompany.co.za 076 453 3719	M	<b>√</b>
THE PRARULA GUYS		Bernard Groenewald MARULA GUYS bernard@lbgh.co.za 082 459 2569	M	$\checkmark$
Obed's	d d d d d d d d d d d d d d d d d d d	Obed Nelovholwe OBED'S OILS obed.nova@gmail.com 060 747 3190	M MIN	
PSTILE SEED OILS	3	Natalee Odendaal PASTILLO  Natalee@pastillo.com 074 877 5801	KM P	$\checkmark$
Precision Oil Laboratories		Mathilda Mostert PRECISION OILS TESTING LABORATORY mathilda@precisionoils.co.za 072 491 6044	Testing laboratory  Testing vegetable seed oils	
Rosehip Farm		Wynand Gericke ROSEHIP FARM wynand@rosehipfarm.co.za 082 337 7628	R	<b>√</b>
GSRSC		Cairo Nchebeleng SEKHUKUNE c.nchabeleng09@gmail.com 071 500 5395	M	

Company	Contact	Vegetable Seed Oils produced	Organic Certified
ZUKARA AFRICAN SEED OILS	Alicia Landman <b>ZUKARA</b> hello@alicialandman.co.za 073 963 6101	KM	
	BOTSWANA		
BLUE PRIDE BOTSWANA	Thandi Zulu BLUE PRIDE  tlebotsezulu@gmail.com 081 3729 3935	KM M	
DLG Naturals BW	Georgia Duerst - Lahti <b>DLG Naturals</b> Dr.georgia@dlgnaturals.com 067 716 2877	KM M	
Wild Marula Oil	Wimpie Muller WILD MARULA OIL wimpie@wildmarula.com 082 570 9267	M	
	LESOTHO		
MG HEALTH FULL SPECTRUM SCIENCE	James Wilson MG HEALTH 082 466 7046	Other: extracts	
	MOZAMBIQUE	2 2	
avanna vils Pure african ones ones ones	Louis Joubert SAVANNA louis@savannaoils.com 082 450 5656	MIN M	<b>√</b>
	NAMIBIA		
for your pleasure	Margaret Tsusses EDEN MANUFACTURERS  edenfyp@gmail.com 0648 1327 3129	KM M	
M&M NATURAL OILS	Jan Visser  M & M  janvisser3@gmail.com 0648 1261 9342	KM MIN M X	<b>√</b>
NAMIB DESERT OILS	Oliver Rust NAMIB DESERT OILS info@namibdesertjojoba.com 0648 1127 8300	M X	<b>√</b>

Company	Contact	Vegetable Seed Oils produced	Organic Certified
Scients of Vamibia  essented ois & notward products	Agnes Mia Tsamases SCENTS OF NAMIBIA agnesmiatsamases@gmail.com 0648 1805 8764	MP	
SEE O growth intent	Naas Button SEED naas@seed.com.na 0648 1248 6551	M	
TANETA	Namupa Nengola TANETA INVESTMENT  namupanengola@gmail.com 0628 1140 5296	M	$\checkmark$
	ZIMBABWE		
Afrikan Arnamentals	Fungai Nyagwaya AFRIKAN ORNAMENTALS fungai@plushresources.com	B M MF X	
DIVINE PRO	Providence Moyo DIVINE PRO SKINCARE divineproskincare@gmail.com 0637 7813 1887	M	
MAFEMO NATURAL OILS FROM AFRICA	Ivy Kudakwashe KAPORO MAFEMO NATURALS ivykuda@gmail.com 037 7363 8634	MN X	
KAZA natural oils	Nyarai Kurubgaseka <b>KAZA</b> nyarai@kazanaturalsoils.com 0637 7291 7788	B KM MN MO M X	

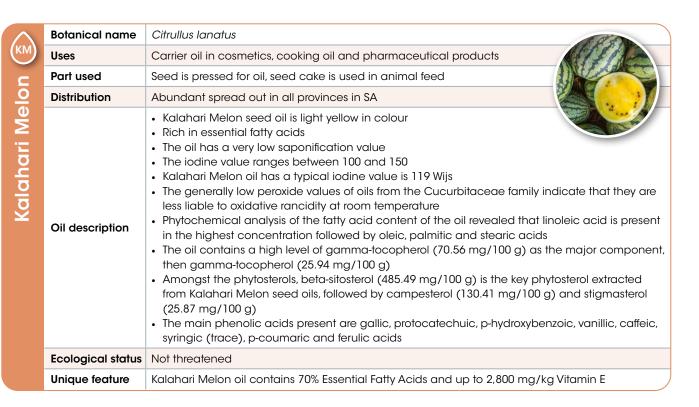


### Catalogue of Vegetable Seed Oils produced in Southern Africa

	Botanical name	Adansonia digitata
ab	Uses	Oil is included in formulation of cosmetics and hair care products, powder in food industry
	Part used	Seed is pressed and cake form seed pods is dried and pounded
q	Distribution	Limpopo, Botswana, Zimbabwe and other neighbouring countries
Baobab	Oil description	<ul> <li>Baobab oil is semi-fluid, slightly scented; golden-yellow oil is generally obtained by pressing the seeds, followed by filtration</li> <li>The oil is extremely stable with a highly variable shelf life, estimated to be between 2 and 5 years</li> <li>The high saponification value of baobab oil is comparable to some of the edible oils, such as groundnut oil, marula oil and palm oil</li> <li>The iodine value of the oil is 87.9 g/100 g, and it is therefore classified as a non-drying oil</li> <li>The oil contains saturated (33%), monounsaturated (36%) and polyunsaturated (31%) fatty acids</li> <li>Palmitic and oleic acids are major constituents of the oil and an investigation of the oil stability index (OSI) revealed results comparable to olive oil and evening primrose oil</li> <li>Baobab oil displays the slowest rate of oxidation (8.2 h) compared to olive and evening primrose oil</li> <li>One of the major sterol constituents present in baobab seed oil includes β-Sitosterol (≈80% of the total sterols)</li> <li>Other sterols include campesterol (8.3%) and stigmasterol (2.9%)</li> </ul>
	Ecological status	Least concerned, not threatened
	Unique feature	Drought resistant and food to many animals

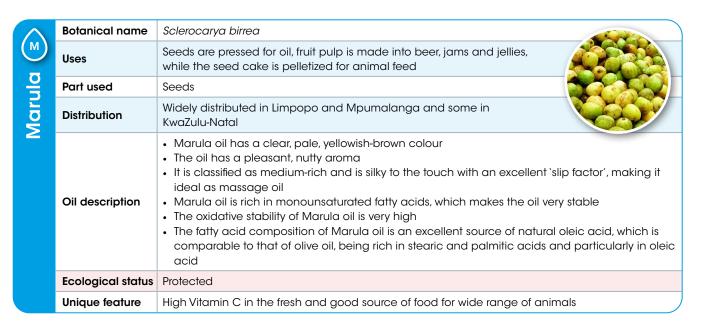
O O	Botanical name	Boswelia sp	
	Uses	Cosmetics and perfumery	
inc	Part used	Seed	
ă	Distribution	Widely spread throughout SADC	W. C. Y.
F.	Ecological status	Least concerned, not threatened	

	Botanical name	Simmondsia chinensis
$\left( 1\right)$	Uses	Carrier oil in cosmetics, cooking oil and pharmaceutical products
pa	Part used	Seed is pressed for oil, seed cake is used in cosmetics and other personal care products
Jojoba	Distribution	Originally from southern Arizona, southern California and north-western Mexico. Cultivated in SADC in dry areas
7	Oil description	<ul> <li>The oil makes up approximately 50% of the jojoba seed by weight</li> <li>The terms "jojoba oil" and "jojoba wax" are often used interchangeably because the wax visually appears to be a mobile oil</li> <li>As a wax it is composed almost entirely (~97%) of mono-esters of long-chain fatty acids (wax ester) and alcohols (isopropyl jojobate), accompanied by only a tiny fraction of triglyceride esters</li> </ul>
	Ecological status	Not invasive if harvested
	Unique feature	It has an oxidative stability index of approximately 60, which means that it is more shelf stable than safflower oil, canola oil, almond oil, or squalene but less than castor oil and coconut oil



$\wedge$	Botanical name	Trichillea emetica	
(MF)	Uses	Cosmetics and beverages e.g. gin	
a/	Part used	Seed	
<b>afura</b> Mahoga	Distribution	Widely spread throughout SADC	
Δ ≅	Oil description	A light butter in solid state at room temperature	
Natal	Ecological status	Not threatened	

$\wedge$	Botanical name	Schinziophyton rautanenii
(MN)	Uses	Cosmetic and hair products
0	Part used	Seed
ρu	Distribution	Limpopo province and north of the Limpopo river
Manketti/Mongongo	Oil description	<ul> <li>Manketti seed oil consists mainly of fatty acids, including linoleic, oleic, palmitic, linolenic and erucic acids, with lesser quantities of myristic and myristoleoic acids</li> <li>It is rich in Vitamin E (565 mg/100 g of the kernel), which provides excellent oxidative stability and a long shelf life</li> <li>Due to the very high γ-tocopherol content, the oil is very stable, and does not oxidise into rancidity for a very long time, in spite of the African heat</li> <li>The oil of Manketti can be used as a single ingredient if applied as tissue oil</li> </ul>
<u> </u>	Ecological status	Not threatened
2	Unique feature	Occurs all along the elephant routes



$\wedge$ $\Phi$	Botanical name	Colophospermum mopane	
MP) =	Uses	Cosmetics and beverages e.g. gin	
Q	Part used	Seed	
9	Distribution	Widely spread throughout SADC	
2	Ecological status	Not threatened	

	Botanical name	Moringa oleifera
MO	Uses	Carrier oil in cosmetics, cooking oil and pharmaceutical products
ga	Part used	Seed is pressed for oil, seed cake is used in cosmetics and other personal care products
Ë	Distribution	Abundant spread out in all disturbed areas
Moringa	Oil description	<ul> <li>Beta-sitosterol, a phytosterol found in Moringa oil, may have antioxidant and benefits diabetics</li> <li>Moringa oil is high in protein and oleic acid, a monounsaturated omega-9 fatty acid</li> </ul>
	Ecological status	Not invasive if harvested
	Unique feature	Food-grade Moringa oil is a healthy, monounsaturated fat

	Botanical name	Commiphora sp	
(MY)	Uses	Cosmetics and beverages e.g. gin	
£	Part used	Seed	
<u> </u>	Distribution	Widely spread throughout SADC	
$\sum$	Ecological status	Not threatened	

$\wedge$	Botanical name	Passiflora edulis
(P)	Uses	Carrier oil in cosmetics, cooking oil and pharmaceutical products, is a wonderful emollient
Fruit	Part used	Seed is pressed for oil, seed cake is used in cosmetics and other personal care products
assion	Distribution	<ul> <li>The origin is in South America, throughout northern Argentina, Paraguay, and southern Brazil, but is widely grown in the tropics and subtropics worldwide</li> <li>Planted and cultivated as a commercial crop in SADC</li> </ul>
Pas	Oil description	<ul> <li>Delicate light yellow oil, feint aroma</li> <li>Passion Fruit seed oil, also known as Maracuja oil, rich in Vitamins A &amp; C and potassium</li> <li>It has a light, non-greasy texture, which helps to balance the moisture</li> </ul>
	Ecological status	Not invasive if harvested
	Unique feature	It absorbs right into your skin - making it a100% natural tissue oil

	Botanical name	Rose canina
$\mathbb{R}$	Uses	Carrier oil in cosmetics, cooking oil and pharmaceutical products
dic	Part used	Seed is pressed for oil, seed cake is used in cosmetics and other personal care products
e l	Distribution	Abundant spread out in all disturbed areas
Roseh	Oil description	<ul> <li>The colour can vary from a golden orange to a very deep red depending on the season</li> <li>The oil is best known for its high concentration (highest pure vegetable oils) by All-Trans Retinoic Acid (ATRA or as it is often abbreviated)</li> </ul>
Ecological status Not invasive if harvested		Not invasive if harvested
	Unique feature	It is one of a very few oils that contains Vitamins A, C and E, in a totally natural form. This is a superb product that, amongst its many benefits, can reduce the signs of premature ageing

Sausage Tree	Botanical name	Kigelia africana	
	Uses	Cosmetics and beverages e.g. gin	
	Part used	Seed	
	Distribution	Widely spread throughout SADC	
	Ecological status	Not threatened	

	Botanical name	Ximenia africana/americana			
(x)	Uses	Cosmetics and nail products			
<b>_</b>	Part used	Seed			
Plum	Distribution	Widely spread throughout SADC			
Sour Pl	Oil description	<ul> <li>From the analysis of the seed oil the major components are oleic, hexacos-17-enoic (ximenic), linoleic, linolenic and stearic acids</li> <li>There are smaller quantities of triacont-21-enoic (lumequic), octadec-11-en-9-ynoic (ximenynic), arachidonic, erucic, and nervonic acids</li> <li>Ximenia oil contains very long chain fatty acids (rarely found naturally), with up to 40 carbon atoms</li> </ul>			
	Ecological status	Not threatened			
	Unique feature	Drought resistant			

### **SAEOPA**

### Who We Are

SAEOPA, a non-profit organization, was established in 2000 to promote essential oils and natural plant products' production, processing, and export. It represents and promote the interests of members and the industry, providing a unified and independent mouthpiece of the industry.

It aims to facilitate the sustainability of and increase the competitiveness of members and the national and regional industry. It also empowers members via training, workshops, conferences, trade missions, etc.

SAEOPA's membership and value-adding services are available to:



- Processors
- · Distributors and exporters
- · Academic and research institutions
- Test laboratories
- Other stakeholders within the value chain
- · Other interested parties.

### Recognising Our People

#### Investing in the Future

While many think of the industry of essential oils, perfumery and fragrance as an ageing one, the youth has fortunately expressed renewed interest and added a fresh perspective, with new developments, improved technology and exciting applications.

It is therefore imperative to encourage the involvement of the youth to take the industry forward and add value to the natural products that are increasingly in demand.

#### **Youth in Action Chamber 2023**

Mnguni Zulu BLUE PRIDE Botswana	Nolwazi Mahlobo <b>BNX</b> KwaZulu-Natal South Africa	Michelle Nott <b>BOTANICA</b> Limpopo South Africa	Thabane Tshapa <b>EVERPIX</b> KwaZulu-Natal South Africa	Henry Minnaar HIGHLANDS ESSENTIAL OILS Free State South Africa	Stacey Minnaar HIGHLANDS ESSENTIAL OILS Free State South Africa	Roeloff van Rooyen INCA GREEN Limpopo South Africa
Samkelisiwe Ngwenya <b>NWU Student</b> North-West South Africa	Obed Mogatle PHATSIMA SHAYDE NorthWest South Africa	Maliech Shabangu SARAH & IVAN ENTERPRISE Gauteng South Africa	Sanelisiwe Makhubu <b>SENZUBUHLE</b> Mpumalanga South Africa	Kabelo Mphogo <b>TEMOTHUO</b> Limpopo South Africa	Jason Teubes <b>TEUBES</b> Gauteng South Africa	Lerato Mogapi TSHWANE UNIVERSITY OF TECHNOLOGY Gauteng South Africa
			3			9

#### Veterans, Pioneers, Legends and Stalwarts of the Natural Product Industry

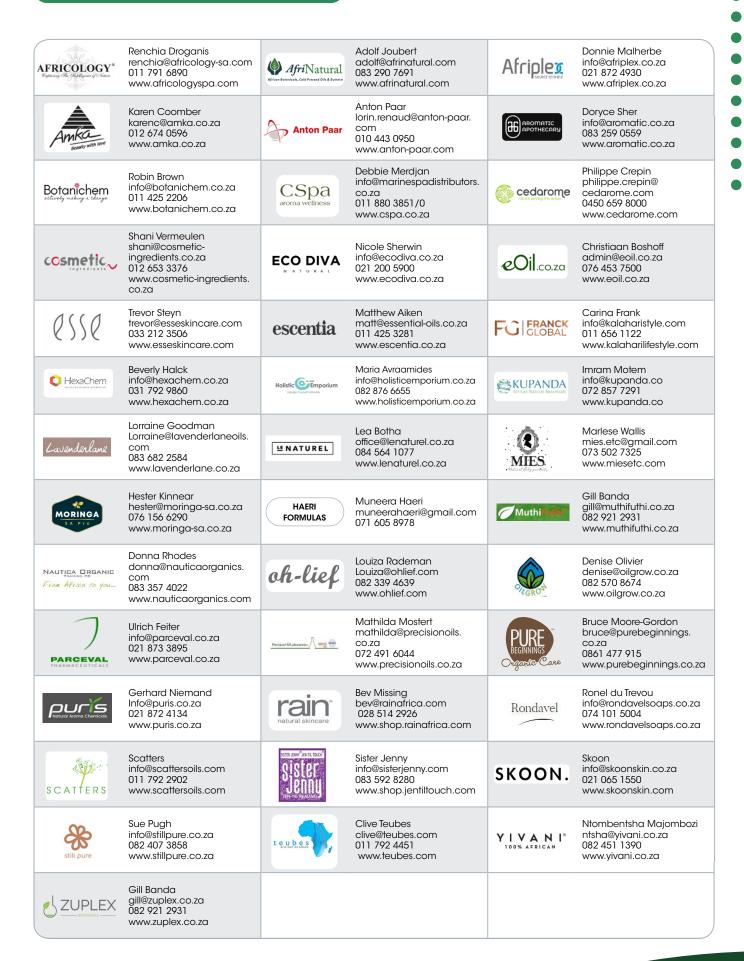
Throughout its history, the Natural Product Industry has grown and developed into a dynamic sector through the selfless and dedicated efforts of veterans, pioneers, legends and stalwarts. While some have already passed on, we wish to pay tribute to all those who have contributed with their expertise and commitment to research, development, and creating awareness of the importance of natural products.

In looking for solutions to our current challenges, we continue to build on the solid foundation established by these people.



**Professor David Katerere, Tshwane University of Technology** Researcher, publisher and promotor of indigenous plants for medicinal use

### Corporate SAEOPA Members



# GLOBAL QUALITY AND STANDARDS PROGRAMME (GQSP)

GQSP is a large-scale global programme, which was designed to encourage systematic trade development along specific value chains by strengthening quality infrastructure institutions and service providers, enhancing the compliance capacity of private sector actors, particularly SMEs, and creating a culture of quality among all stakeholders. The GQSP is funded by the Swiss Confederation, through the Swiss State Secretariat for Economic Affairs SECO and implemented by UNIDO in close cooperation with the Department of Trade, Industry and Competition (the dtic).

The objective of the GQSP South Africa (GQSP-SA) Phase II project is to unlock the export potential of essential and vegetable seed oils.

Five indigenous essential and five indigenous vegetable oils were identified by GQSP-SA, in collaboration with SAEOPA, as being in high market demand by the cosmetic, food and health sectors, and to be of strategic importance to South Africa due to their potential in generating GDP and new employment.



#### SAEOPA (Southern African Essential Oil Producers Association)

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