

## ESSENTIAL OILS AND OLEORESINS MARKET INSIDER



Immature clove buds on the tree

May 2016 Report

## Market Insider

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# Essential Oils

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## Market Update & News

### **Cloves market begins to revive**

Most of the current buying is reported as being by countries in the Far East. Industry expectation is that the Indonesian crop will be short by almost 35%, and Indonesian buyers are reported to be buying before the market may become much higher. The local price in Madagascar is starting to increase. Some exporters expect that Indian buyers will come back soon in the market, because they did not buy since middle of January and would have to renew their stocks. The Singaporean traders are still buying. Based on the estimates for Indonesia's 2015 crop, the projected 30-35% decline would imply a total 2016 output from this origin of around 65,000-70,000 tonnes. Low, or tight clove supplies can be expected to lead to increased prices for the essential oils.

### **UEBT Biodiversity Barometer and ABS discussed with Indian stakeholders**

UEBT was invited to join the kick-off conference of the southern chapter of the India Business & Biodiversity Initiative (IBBI) in Bangalore, India. UEBT presented the outcomes of the 2015 Biodiversity-Barometer and discussed the Nagoya Protocol as well as ABS rules in Brazil, India and South Africa with high-level industry representatives and policy makers.

Source: UEBT

### **UEBT Fact sheets on ABS regulations in Peru, Turkey, South Korea**

Companies are increasingly required to comply with ABS requirements to access biological material for R&D. Yet information on specific ABS requirements and procedures is often lacking. UEBT, upon request of the Ministry of Economic Affairs of the Netherlands, has prepared fact sheets to help private sector navigate ABS requirements in Peru, Turkey and South Korea.

Source: UEBT

### **Symrise Iranian market grows**

"Symrise Parsian", Symrise's new site in Tehran, Iran, opened on April 14, strengthening the company's Middle Eastern presence. Symrise will also set up sales offices and application-specific laboratories at the site, using knowledge gained on-site to develop products for the market in the Persian Gulf region. "The country has good liquidity and already ranks among the 20 largest economies. Iran has the fourth-largest oil reserves in the world as well as other natural resources. Experts expect the gross domestic product to double soon," said Heinz-Jürgen Bertram, chief executive officer of Symrise AG. "Our business relationships have been in place for more than 40 years. Despite the many sanctions that were implemented at the beginning of the Iraq war and maintained throughout, Symrise has sustained strong relations with customers and surrounding Persian Gulf States."

The history of Symrise is closely linked to Iran. The Scent & Care and Flavor & Nutrition segments have had business contacts with Iran, working intensively to familiarize itself with the local markets.

Source: Symrise

### **New Sustainable developments: OLVEA Burkina Faso's new plant**

OLVEA Burkina Faso, a UEBT member since 2013, produces Shea butter in Bobo Dioulasso (Burkina Faso), a raw material highly valued by the cosmetic industry for its hydrating properties. Since its creation in 2008, OLVEA Burkina Faso develops organic and sustainable supply chains,

with a respectful supply of the local people and environment. OLVEA links the women collecting the Shea nuts with the cosmetics market, while leaving the added value in the native country of the raw material. Thus, OLVEA works directly with women's cooperatives and provides them a secure market, a higher-than-the-market price, and a fair and transparent remuneration. On the other hand, OLVEA guarantees its customers a complete traceability of the product, from the tree to the end-user.

In order to better meet the growing demands of the international cosmetics market, OLVEA has built a new factory, inaugurated April 19, 2016. This new agro-industrial processing unit allows OLVEA to increase the quality and quantity of the Shea butter produced while optimizing the flow, the quality and the competitiveness of its production. OLVEA also plans to become, within the next few months, the first company in Burkina Faso to be certified ISO 22000. The special feature of this innovative industrial site is its eco-conception, respectful of the local environment. Through researches conducted with different Burkinabe actors (2iE, CIRAD, CIRDES, CISM, ENEF), the plant benefits from many innovations: 320m<sup>2</sup> of photovoltaic panels covering 20% of the energy used by the plant, bioclimatic architecture, use of local materials, innovative treatment of the Shea kernels, biomass boiler fueled by Shea cakes. The new technical and technological tools of this plant have also created 20 new direct jobs, and enabled the current staff a rise in skills and qualifications.

The production process, flexible and semi-automated, allows the implementation of new production lines. Thus, OLVEA will develop new agricultural supply chains and always offer more ingredients to the cosmetics and food industries. This development has already started this year, with the production of virgin organic sesame oil for the food industry, which cake is valued in the animal feed. OLVEA is training the women's cooperatives already producing Shea nuts so that they will ensure the future sesame productions, which will guarantee them an additional source of income, and secured business opportunities. OLVEA is also working on the beeswax treatment, in partnership with cooperatives and beekeepers in order to ensure sustainable practices. This product, increasingly used by the cosmetics industry, represents a real ecological benefit: pollination is one of the major environmental challenges of this century.

Thanks to OLVEA's partnerships with research institutes such as INERA, the CNSF, ICRAF, new Burkina-native seeds supply chains will emerge over the coming years.

Source: OLVEA

## **Spanish organic lemon oil production expected to be depressed**

Adverse weather conditions in Spain coupled with strong demand for fresh fruit have led to expectations that oil production will be severely constrained this year, with trade estimates that production will be up to 30% down.

## **Orange oil prices remain firm**

Prices are expected to remain high until the new Brazilian crop starts in August. The small previous crop, coupled with a very small Florida crop (almost half of earlier large crop levels) have reduced the supplies of orange oil and its derivatives well below global demand.

## **Givaudan publishes Sustainability Report 2015**

Givaudan has published its Sustainability Report 2015, published in accordance with the Global Reporting Initiative's (GRI) G4 reporting guidelines. At-a-glance 2015 highlights include:

Improved eco-efficiency performance:

- CO<sub>2</sub> emissions reduced by 30.9%<sup>1</sup>
- Energy efficiency improved by 15.4%<sup>1</sup>
- Waste reduced by 42.8%<sup>1</sup>
- Water efficiency improved by 10.4%<sup>1</sup>
- 30,000 tonnes decrease in absolute scope<sub>2</sub> 1 and 2 CO<sub>2</sub> emissions (despite 24% higher production output)
- Strengthened 2020 eco-efficiency targets<sup>3</sup>

Top CDP Score of 100A

Continued progress in supply chain audit

Roundtable on Sustainable Palm Oil supply chain certification of European sites

Update on sourcing initiatives showing innovative partnering with local communities

2015 saw the culmination of a five-year strategy cycle for Givaudan, along with the introduction of a new roadmap for 2020 based on responsible growth and shared success. Sustainability is embedded in all three pillars of its 2020 strategy: growing with our customers, delivering with excellence, and partnering for shared success. Today's consumers want more sustainable products. CEO Gilles Andrier said: "By leveraging our consumer insights, creative capabilities and innovation, we continue to help our customers respond to this demand. The Company strives for continuous improvement of operational processes to deliver on our strengthened eco-efficiency targets. We collaborate with suppliers on sustainable sourcing, and partner with our employees to promote responsible practices in the workplace and beyond."

Innovation is one of four main areas driving sustainable performance at Givaudan. In parallel with the publication of the 2015 report, the corporate website has been updated to include four feature stories demonstrating 'the way we innovate' through advances in natural bioscience, skin sensitisation techniques, plant-based protein and product safety.

Givaudan's Sustainability Report 2015 is the Company's second report published according to GRI G4 guidelines, the latest generation of the most widely used sustainability reporting standard in the world. The full report is independently assured by EY LLP and available for download

Source: Givaudan

### **L'Oréal supports scientific start-ups working in wellbeing and beauty**

L'Oréal has partnered with Hello Tomorrow Challenge 2016 to support scientific startups in the areas of wellbeing and beauty. The company will help assess startups in the fields of 3-D printing, artificial intelligence, robotics, machine learning, nanotechnology and synthetic biology, which could support "new solutions beyond conventional cosmetic approaches to invent new products that can dramatically change the world of beauty and wellbeing."

An international jury will select and announce the winners at Hello Tomorrow's Global Summit in October (see <http://challenge.hello-tomorrow.org/> for more information). The grand prize winner will be awarded 100,000 euros. L'Oréal will be presenting the award of 15,000 euros to the track winner of Beauty & Wellbeing. "What attracted L'Oréal to this challenge was the idea of creating products and services jointly with one-of-a-kind partners," according to the company. "Promoting high-potential innovations, developed by start-ups from around the world, and showing that beauty challenges are technological ones are important objectives for L'Oréal." L'Oréal's participation could potentially lower product development times. "Startups looking for technological challenges will find avenues in the field of beauty and well-being to express their creativity and mastery of big data, biotech and the microbiome, leading-edge imaging, cognitive sciences or machine learning, etc.," said Jacques Leclaire, scientific director of the L'Oréal Group. "These solutions, possible way off-field, will change the face of the beauty industry."

Source: L'Oréal

### **Natural personal care market continues to grow strongly**

Today's consumers increasingly demand that their products offer natural positioning and a responsible impact upon environmental sustainability. Kline has forecasted the natural personal care market to reach \$46 billion by 2018.

According to Kline, the lead drivers of natural personal care and beauty growth are:

- Consumer awareness: Consumers have constant access to information due to the Internet and social media, which allows them to stay informed about ingredients that may potentially harm them or the environment. Consumers also have begun demanding full transparency from cosmetic companies on their sourcing methods, product, ingredients and sustainability practices
- Distribution channel expansion: Rather than sticking to traditional distribution channels, such as health and natural food stores in the U. S., natural personal care marketers look for other

opportunities, such as beauty spas and salons. European retail stores have made shelf space available for natural products through the development of private labels.

- The challenge of traditionally non-natural product categories: Marketers have had to create ways to compete in a market filled with many naturally positioned brands. With that said, many companies who produce naturally positioned products have entered traditionally non-natural product categories, including cosmetics.

Other growth opportunities include new natural ingredients, private label introductions, professional product launches, new demographic segments (men and children) and multicultural beauty products. It is estimated that in 2018, the geographically fragmented global organic personal care products market will expand to \$13 billion by 2018, representing a CAGR of 9.6%. Skin care accounts for 32% of the organic market, growing at a CAGR of 9.9% through the forecast period. About 35% of organic personal care demand has occurred in North America, with the United States posting a CAGR of 10.2%. Consumer awareness and changing lifestyles were the lead drivers in that market. Seeking safer, less invasive alternatives to conventional ethnic personal care ingredients, brands and consumers are taking advantage of natural alternatives for anti-dandruff and hair relaxing needs. Elsewhere, Asia Pacific's market is forecast to expand at a CAGR of 9.7% through 2018, led by rising incomes and consumer awareness, as well as concerns over aging and UV exposure. Mexico, Brazil, India and China promise significant future growth for the organic segment.

Advances in R&D (ingredients and formulations), reduction of legacy ingredients of concern, such as phthalates and parabens, as well as ramped-up sustainability efforts have helped build interest and trust in organic personal care. In addition, rising urbanization and middle classes in Asia Pacific—particularly China, India and Malaysia—are also leading growth. Longer term, the global organic personal care market to reach \$16 billion by 2020, with North America posting a CAGR of 9.8%. Organic skin care is expected to expand at 9.8% through the forecast period, led by antioxidant and skin immunity claims. As consumer scrutiny continues to intensify, brand innovators are ramping up their efforts.

According to Kline Group, the multicultural beauty market growth outstrips that of the wider market, 3.7% vs. 2.8%. The natural segment in particular presents an opportunity for the beauty industry to appeal to consumers of every background. In particular, natural ethnic skin care products are an area of growth and innovation. The ethnic hair care segment was valued at \$774 million in 2014, with the black hair care portion expected to reach \$876 million by 2019. Growth is being driven in part by new launches that take inspiration from the natural hair trend, which eschews harsh relaxers. Seeking safer, less invasive alternatives to conventional ethnic personal care ingredients, brands and consumers are taking advantage of natural alternatives for anti-dandruff and hair relaxing needs.

Source: Transparency Market Research

### **Sandalwood oil production from Western Australia increasing**

New production of sandalwood oil from Western Australia is starting to increase. Quality is reported as good, and although current volumes are small, production is expected to increase substantially during 2016, possibly to around 10 tonnes, which will start to make a significant impact in the market.

### **Australian tea tree oil production at record levels**

Production was at record levels in 2015, with an extra 150 tonnes coming on to the market, but there is reported to be little carry over of stocks, and prices have remained steady.

### **China cassia oil production falling**

The normal mid-May production season has been delayed due to adverse weather conditions. Production in 2015 was around 400 tonnes, down from around 450 tonnes in 2014, and production in 2016 is expected to fall further, which should bring prices back into the \$35 to \$30/kg range.

## **Programme for EFEO's Technical meeting announced**

The programme for the European Federation of Essential Oils (EFEO) technical meeting (held after its AGM, and open to all), to be held on 3 June 2016, has been announced, and should make interesting listening:

"Mechanization of the crops: a tool for sustainable sources"

*Bertrand de Prévaille – IFF – Global Sales Director Natural Ingredients*

"The use of Natural Ingredients in Flavors"

*Patrick Weil – Director of Innovation and Development – Flavor Division - Robertet SA*

"Everything you wanted to know about Nagoya (but were afraid to ask)"

*Matthias Vey – IFRA – Scientific Director*

REACH:

"Essential Oils and REACH : 2 years of learning from each other"

*Christel Musset - ECHA (European Chemicals Agency) – Director of Registration*

"Guidance on Ecotox: second (last) pillar for a sustainable Registration Concept"

*Eric Angelini - V.Mane Fils SA - VP Global Regulatory Affairs & Product Safety, Co-Chmn. EFEO T/C?"*

"REACH for NCSs decoded? Conclusion and mission!" *Jens-Achim Protzen - Paul Kaders GmbH & Joh. Vögele KG, Co-Chmn. EFEO T/C*

Source: EFEO

## **Coty is About to Become the Largest Fragrance Company**

Coty has reported third quarter 2016 sales and provided an update on its acquisition of P&G brands which will position it as a top beauty company in several categories. Net revenues for the third quarter totaled \$950.7 million, a drop of 1% like-for-like and a gain of 2% as reported. Adjusted operating income totaled \$81.7 million. For the first nine months, net revenues totaled \$3,273.5 million, a decline of 1% on a like-for-like basis. Adjusted operating income totaled \$469.7 million. The acquisitions will also lead to cost savings of as much as \$780 million over the next four years, according to Coty. Coty announced that the brands it is acquiring from P&G will have a total annual revenue impact of more than \$9 billion (based on fiscal 2015 performance). The gain in revenue will position Coty as the world's top fragrance company, and a leader in color cosmetics, hair coloring and hair styling, according to Coty.

The brands being acquired include:

- Hugo Boss fragrance
- Gucci fragrance
- COVERGIRL
- Max Factor
- Wella
- Clairol.

"We continue to make strong progress on the P&G transaction which we expect will make Coty a global leader and challenger in the Beauty Industry," said Bart Becht, chairman and interim CEO of Coty. "We now expect the transaction to close in October 2016. We've also substantially increased our estimates for cost synergies compared to when we announced the transaction, significantly improving the outlook for Coty's adjusted operating margin and adjusted earnings per share, excluding amortization."

Power brands continued to outperform the overall business both for the quarter and fiscal year-to-date.

Source: Coty

## **Elizabeth Arden acquires new brands from P&G**

Elizabeth Arden announced that it has signed an agreement to acquire the global license and certain related assets for the Christina Aguilera business from Procter & Gamble International. George Cleary, President Global Fragrance at Elizabeth Arden said "This brand is one with a global footprint and a significant international presence in Europe," "This acquisition is consistent with our strategy to

acquire brands to grow our fragrance business on a global basis." The transaction is expected to close in the first quarter of fiscal 2017 and is subject to customary regulatory approvals.

The first fragrance was introduced in 2007 by the internationally acclaimed recording artist. Today Christina Aguilera's fragrances command a global reach and have seven brands. In addition to being the No. 1 celebrity fragrance brand in Europe, it stands as the most awarded celebrity fragrance brand in this region.

Source: Elizabeth Arden

### **L'Oréal Group post positive results – and very strong e-commerce growth**

L'Oréal Group has reported first quarter 2016 sales of 6.55 billion euros, a gain of 4.2%, like-for-like, and 1.8% year-over-year. "The Group made a solid start in the first quarter, with growth in all our divisions and geographic zones: the Consumer Products Division accelerated at the start of the year, recording its best quarter for almost three years," Jean-Paul Agon, Chairman and Chief Executive Officer of L'Oréal. "L'Oréal Luxe started the year well in line with expectations, despite a difficult comparison base in Hong Kong and in the Travel Retail channel, and is continuing to roll out its brand portfolio worldwide. Sales in the Professional Products and Active Cosmetics Divisions should strengthen over the coming quarters."

Other leading challenges for L'Oréal Group's results included:

- Currency fluctuations
- Sales drop of 11.1% in Latin America

L'Oréal Group reported a number of strong drivers for the business, including:

- North American growth of 5.8%
- Africa, Middle East growth of 5.4%
- 4.4% sales gain in the Luxe segment
- e-commerce growth of 35%

Agon concluded, "We are confirming our ambition of achieving another year of sales and profit growth."

Source: L'Oréal

### **Sustainability certifications important for major flavours & fragrances companies**

For the second consecutive year Firmenich was awarded a gold rating for sustainability by EcoVadis. Firmenich's rating puts the company among the top 2% of the suppliers assessed for sustainability performance. Firmenich received particular praise for its achievements in the area of environmental protection. From 2010 to 2015, Firmenich reported a 20,000 ton decrease in absolute Scope 1 and 2 CO<sub>2</sub> emissions, a 12% decrease in energy use and a 13% decrease in water use.

EcoVadis aims at improving environmental and social practices of companies by leveraging the influence of global supply chains. EcoVadis operates the first collaborative platform providing Supplier Sustainability Ratings for global supply chains. With a focus on maintaining quality and integrity, EcoVadis has managed to also grown quickly to meet this growing need. Since its founding in 2007, EcoVadis has become a trusted partner for procurement organizations in more than 120 leading multinationals worldwide including Verizon, Nestlé, Johnson & Johnson, Heineken, Coca-Cola Enterprises, Nokia, L'Oréal, Bayer, Alcatel-Lucent, ING Bank, Air France-KLM, Centrica/British Gas, BASF, and Merck. Combining People, Process and Platform, EcoVadis' has developed the industry-leading team, innovative technology, and a unique CSR assessment methodology that covers 150 purchasing categories, 110 countries, and 21 CSR indicators. More than 20,000 companies use EcoVadis to reduce risk, drive innovation and foster transparency and trust between trading partners.

EcoVadis is driven by a young team of more than 300 people from over 32 nationalities committed to a real impact on the environmental and social practices of companies around the world. Professionalism, integrity, customer focus and a drive for innovation are the key enablers of our success.

Source: EcoVadis

# PRODUCT & MARKET NOTES

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## MINT PRODUCTION IN INDIA - 2016 UPDATE

### Background

Japanese mint (or corn mint), *Mentha arvensis*, is the source of a major raw material for the flavours and fragrances industry. Distillation provides mint oil, and further processing provides menthol crystals and dementholised mint oil. India dominates global production, with China providing the bulk of the balance. India has also developed production of peppermint oil (*M. piperita*) and spearmint (*M. spicata*), but these are relatively small scale, and global production is dominated by the US and other countries. Mint is grown on an area of around 300,000 ha in India, primarily in Uttar Pradesh (around 90%), with the balance from smaller areas in the Punjab, Rajasthan etc. Two cuts are taken during the production season, yielding around 20 to 25 tonnes of green herb, and 125 to 150kg/ha of *arvensis* oil. At current prices of around US\$15/kg for the oil, this gives a gross return in the range US\$1,875 to 2,225/kg.

*M. arvensis* is an easy crop to cultivate. Traditionally, it is grown as a short term perennial crop, over 3 to 4 years, before replanting, but in India it has been integrated into the farming system as an annual crop. Distillation is simple, distillation time is short, and the spent material can be returned to the fields as mulch. The key to production is securing varieties with a high menthol content. Somewhat surprisingly, given its ease of establishment, simple management requirements, with vegetative propagation and straightforward distillation and further processing (simple chilling of the crude oil to produce menthol crystals) it has not been taken up widely in Africa. Whilst international trade is dominated by India, there is always scope for new suppliers in a market of this size, and as the economies develop in the major African nations the scope for supply to local industries is growing rapidly.

Demand for mint and mint products continues to rise steadily, driven by the worldwide growth of a broad category of fast moving consumer goods (FMCG) in which mint is used – cosmetics (toothpaste, mouthwash, shampoos, shaving creams etc etc), chewing gums, household cleaning products etc. These categories are showing strong global growth as wealth increases across Asia, Latin America and Central and Eastern Europe. Demand is estimated to be increasing by 3 to 5% a year – representing substantial volume increases in a market of this size. Production of these types of FMCG is increasingly moving to domestic production in many emerging nations, and therefore opens opportunities for sourcing of ingredients from domestic production.

There have been developments of synthetic menthol production, and this is bringing some stability to overall demand and pricing for the natural product. Takasago and Symrise both have production. BASF is bringing new production on stream, but it is reported that this is now delayed to 2017. Total production of synthetic menthol production is estimated to be increasing towards 15 to 20,000 tonnes/yr once the new BASF production comes on stream (BASF opened an innovation campus in India in 2014, and an Agricultural Research Center in 2015).

### India 2016 update

Total production of *Mentha arvensis* in 2015 was estimated at 31,000 tonnes, with a carry overstock from 2014 of around 4,000 tonnes, giving a total inventory of around 35,000 tonnes. Almost all the inventory was cleared during the year. The projections for the 2016 crop are around 35,500 tonnes

with a carryover stock of less than 1,000 tonnes – estimated at around 850 tonnes – from 2015, giving an estimated total inventory for 2016 of around 36,350 tonnes. Growth in demand is expected to deliver a market for all of this, and in consequence prices are expected to remain firm.

The situation for the other mint crop in India is given below.

Distillation of the new *M. piperita* crop is starting around now in India. Total production in 2015 was around 200 tonnes, with a 65 tonne carryover from 2014, giving a total inventory of around 265 tonnes. Expected production for 2016 is reported to be around the same as last year, 200 tonnes, but with only around 10 tonnes carryover stock, giving a total inventory of around 210 tonnes. New plantings were made for 2016, stimulated by strong pricing during 2015, but poor weather conditions have lowered oil content. Prices are expected to be stable, in the range US\$25 to US\$35 depending on menthofuran content.

Total production of spearmint oil in India was around 125 tonnes in 2015, with an estimated carryover of stocks of 15 tonnes, giving a total inventory of around 140 tonnes. Production in 2016 is expected to be around the same as 2015, or slightly lower, around 100 tonnes, with only an estimated 5 tonnes of carryover from 2015, giving a total inventory of around 105 tonnes for 2016.

# PRICE INFORMATION

## Conventional oils

PLEASE REMEMBER THAT THESE ARE ONLY PRICE INDICATIONS.

Price indications collected from the markets are given for a range of essential oils, below. The oils are grouped *for convenience only* into Spice Oils, Seed Oils, Citrus Oils, Herb Oils and Perfumery Oils. Prices are wholesale for quantities of 25kg or more unless otherwise stated.

### Spice Oils

Product	Origin/Grade	Prices per KG (US\$)
Clove bud	Indonesian	\$24/kg 1 tonne lots
	Indian	\$84/kg 1 kg lots
	Madagascar	\$75/kg 1 kg lots
Clove stem	Indonesian	\$15/kg container
	India	\$50/kg
	Madagascar	\$36/kg 200 kg lots
Clove leaf	Indonesian min. 73%	\$15.00/kg, container
	Indonesian min. 80%	\$16.00/kg
	Indonesian min. 82%	\$17.00/kg
	Madagascar	\$17/kg
	Indonesian	\$46/kg
	Indonesia	\$18/kg container
Cinnamon bark	Sri Lankan 60/65%	n/a
Cinnamon leaf	Sri Lankan	\$70/kg 1 kg lots
	India	\$30/kg
Cassia bark	China	\$35/kg; \$70 1 kg lots
Black pepper	Sri Lankan	\$218/kg 1 kg lots
	Indian	\$125/kg; \$195 1 kg lots
Nutmeg	Indonesian (myristicin 7%)	\$38/kg
	Indonesian (myristin 8%)	\$48/kg
	Indonesian (myristin 10%)	\$54/kg
	Indonesian(myristicin 2%)	\$33/kg
	Indonesian (safrole free)	\$67/kg
Ginger	Chinese	\$105/kg
	Indonesia	\$115/kg
	Indian	\$80/kg
	Indonesia (red)	\$98/kg
Pimento leaf	Jamaican	\$140/kg
	Jamaican	\$90 container
Pimento berry	Jamaican	€210/kg
	Jamaican	\$154 1 tonne lots
Cardamom	Guatemala	\$200/kg container
		\$210/kg spot

## Spice Seed Oils

Product	Origin/Grade	Prices per KG
Aniseed	China	\$13-16 CIF NW Europe; \$75/kg 1 kg lots
	India	\$25/kg
Star Anise	India	\$120/kg
Coriander seed	Russian	\$80/kg
Coriander herb	Egypt	\$140/kg drum
Cumin seed	Egypt	\$95; \$285/kg 1 kg lots

## Citrus Oils

Product	Origin/Grade	Prices per KG
Orange (sweet)	Brazilian	\$10/kg; \$30/kg 1 kg lots
	Italy (b/orange c/pressed)	\$33/kg
	Brazil (pera)	\$9/kg container
Orange (bitter)	Italian (c/pressed)	\$62/kg
Bergamot oil	Ivory Coast/Italy	\$80/kg; \$135/kg 1 kg lots
Lemon	Italian	\$58/kg 1 kg lots
	Italian (c/pressed)	\$35
	Argentina	\$30/kg container
	Brazil	\$30/kg
Lime (distilled)	Italian	n/a
	Mexico/Peru	\$37/kg container; \$62/kg
Lime (cold pressed)		\$25/kg
Mandarin (red)	Italy	\$85/kg
Grapefruit (pink)	Argentina	\$42/kg; \$50/kg 1 kg lots
Grapefruit (white)	France	\$40/kg

## Herb Oils

Product	Origin/Grade	Prices per KG
Basil	Comores	\$125/kg
	Egypt	\$82/kg; \$150/kg 1 kg lots
	Vietnam	\$90/kg
	India, ex-Chavicol	15/kg
Lavender	Bulgaria	\$75/kg
	French	\$250/kg
	English	\$200/kg
	Russia	\$95/kg drum
Lavandin	French Grosso	\$35/kg
Spike Lavender	Spain	\$110/kg
Mints	India piperita menthofuran 8%	\$34/kg
	India, mentha arvensis crude, L-menthol 72%	\$15/kg
Menthol	Indian, bold crystals	\$18/kg
	Indian, medium crystals	\$17/kg
	China	\$18/kg
Menthol flakes	India; natural L-menthol 98.5%	\$17/kg
Menthol flakes, melted	India; TMC 97%	\$16/kg
Peppermint menthofuran 3%	China	\$26.50/kg
Peppermint	China	\$15/kg container
Peppermint dementholised	Indian	\$13/kg

Menthone 80/20	Indian	\$15/kg
Menthone 90/10	Indian	\$16/kg
Spearmint	China 60% carvone	\$23/kg
	India 55% carvone	\$20/kg
	India 60% carvone	\$21/kg
Chamomile (German)	German blue	\$670/kg
	Morocco (wild)	\$450/kg
	Egypt (blue)	\$1,200/kg
Chamomile (Roman)	UK	\$1000/kg
Sage	Croatia	\$130/kg
Rosemary	Portugal/Spain/Tunisia	\$55
	Spain	\$68/kg drum
	France	\$78
Marjoram	Spain (wild)	\$210/kg 1 kg lots
Thyme	Spain	\$67/kg; \$85 1 kg lots

## Perfumery Oils

Product	Origin/Grade	Prices per KG
Eucalyptus globulus & other high cineole types	China	\$15/kg container; \$35/kg 1 kg lots
	Australian	\$44/kg
	India, 85%	\$18/kg
	India, 60%	\$16/kg
	China	\$38/kg 1kg lots
	Madagascar	\$31/kg
Eucalyptus citriodora	China	\$49/kg 1 kg lots
	Madagascar	\$25/kg
Litsea cubeba	Spain	\$22/kg
	China	\$21/kg container
Ylang ylang	Comores: Extra S	n/a
	Comores : Première	\$225/kg
	Comores : Deuxième	\$180/kg
	Comores : Troisième	\$95/kg
	Comores: Complet	\$150/kg 1 kg lots
	Madagascar (grade II)	\$80/kg
Ylang (cananga)	Indonesia	\$61/kg 1 ton lots
Patchouli - Indonesia	Sulawesi min 26% pa	\$48/kg
	Sulawesi min 30% pa	\$50/kg
	Sulawesi min 30% pa, light	\$54/kg
	Sumatra min 30% pa	\$56/kg
	Sumatra min 32% pa	\$60/kg
	Sumatra min 34% pa	\$65/kg
	Sumatra min 30% pa, light	\$64/kg
Rose	Bulgaria	\$10,000/kg
Geranium	Egypt	\$140/kg
	Egypt	\$166/kg
	China	\$165/kg
	Madagascar	\$310/kg
Rose Geranium	Madagascar/France	\$225/kg
Niaouli (Cineole 1,8) (Malaleuca quinquenervia type I)	Madagascar	\$16/kg; \$60/kg 1 kg lots
Niaouli Viridiflora (Malaleuca viridiflora type II)	Madagascar	\$20/kg
Petitgrain	Paraguay	\$58/kg drum; \$98/kg 1 kg lots
Sandalwood	India	\$2,900/kg

	East Indies	\$2,500/kg
	Australian	\$1,600-2,000/kg
Cedarwood	USA	\$52/kg
	China	\$13/kg container; \$50/kg 1 kg lots
Frankincense	Somalia/France	\$270/kg
Citronella	Chinese	\$18/kg container; \$23/kg; \$53 1 kg lots
	Sri Lanka	\$40/kg container
	Indonesia	\$16/kg
	Indian 80%	\$17/kg
Lemongrass	Indian	\$20/kg container; \$37/kg 1 kg lots
	Madagascar ( <i>C. giganteus</i> )	\$55/kg
Palmarosa	Indian	\$25/kg; \$130/kg 1 kg lots
Vetiver	Indonesian	\$240/kg; \$380/kg 1 kg lots
	Indonesian	\$260 rectified
	Indonesian, molecular dist.	\$260/kg
Tea Tree	Australia	\$48/kg; \$90/kg 1 kg lots
	Australia, lemon scented	\$140/kg
Guaiacwood	Paraguay	\$25/kg drum
Fennel, bitter	Spain	\$97/kg
Juniperberry	India	\$120/kg; \$260/kg 1 kg lots
Myrrh	India (extract)	\$133/kg
	India (distilled)	\$270/kg; \$395/kg 1 kg lots

# Price Information

## Organic essential oils

PLEASE REMEMBER THAT THESE ARE ONLY PRICE INDICATIONS.

Price indications collected from the markets are given for a range of essential oils, below. The oils are grouped *for convenience only* into Spice Oils, Seed Oils, Citrus Oils, Herb Oils and Perfumery Oils. Prices are wholesale for quantities of 25kg or more unless otherwise stated.

### Spice Oils

Product	Origin/Grade	Prices per KG (US\$)
Clove bud	Indian	\$150/kg
Clove leaf	Indian	\$75/kg
Cinnamon bark	Sri Lankan	\$420/kg
Cinnamon leaf	Sri Lankan	\$110/kg
Nutmeg	Indonesian	\$172/kg
Ginger		\$270/kg
	India	\$170/kg drum

### Spice Seed Oils

Product	Origin/Grade	Prices per KG
Star Anise	China	\$180/kg
Cumin seed	Egypt	\$90/kg

### Citrus Oils

Product	Origin/Grade	Prices per KG
Orange (sweet)	Italian (c/pressed)	\$36/kg
Orange (bitter)	Italian (c/pressed)	\$135/kg
Bergamot	Italy (c/pressed)	\$195/kg
Lemon	Italian (c/pressed)	\$60/kg
	Italian (c/pressed)	\$71/kg
	Argentina	\$75
Mandarin (red)	Italy	\$225/kg
Mandarin (green)	Italy	\$187/kg
Clementine	Italy	\$120/kg
Petitgrain (C. aurantium)	Paraguay	\$110/kg

### Herb Oils

Product	Origin/Grade	Prices per KG
Basil	Egypt	\$187/kg
	India	n/a
Lavender	France	\$210/kg
Lavandin	French Grosso	\$55/kg
Mint, peppermint	USA	\$90/kg
	India	\$65/kg drum
Mint, Cornmint	India, mentha arvensis	\$52/kg
Mint, spearmint, M. spicata	USA	\$112/kg
Chamomile (German)	Nepal	\$780/kg

	India	\$1,250/kg
Chamomile (Roman)	Hungary	\$1,500/kg
Sage	Croatia	\$240/kg
Rosemary	Spain	\$42/kg
	Tunisia	\$25/kg
Marjoram	Spain	\$330/kg
Thyme	Hungary	\$300/kg
	India	\$65/kg
Fennel	India	130/kg

## Perfumery Oils

Product	Origin/Grade	Prices per KG
Eucalyptus radiata & other high cineole types	China	\$64/kg
E. globulus	India	\$45/kg (60%)
	India	\$50/kg (80%)
E. polybractea	Australian	\$135/kg
E. smithii	South Africa	\$75/kg
Eucalyptus citriodora	Brazil	\$52/kg
	India	46/kg
Litsea cubeba	Spain	\$35/kg
Ylang ylang	Comores: I	\$225/kg
	Comores : II	\$180/kg
	Comores : III	\$210/kg
	Comores: Complet	\$330/kg
Patchouli	Indonesia	\$175/kg;
Geranium	Egypt	\$375/kg 1 kg lots
Sandalwood	Sri Lanka	\$1,950/kg 1 kg lots
Cedarwood	USA	\$63/kg
Naouli		\$97/kg
Ravinsara	Madagascar	\$275/kg 10 kg lots
Frankincense	Somalia/France	\$525/kg 1 kg lots
	India (B. serrata)	\$78/kg drum
Pine (P. silvestris)	Hungary	\$190/kg
Citronella	Sri Lanka	\$100/kg
	India	\$63/kg
Lemongrass	Nepal	\$75/kg
Palmarosa		\$80/kg
	India	\$70/kg
Vetiver	Indonesian	\$450/kg 1 kg lots
	Indian	\$350/kg
Tea Tree	Australia	\$90/kg;
	Australia, lemon scented	\$225/kg
Fennel, sweet	Bulgaria	\$150/kg
Juniperberry	India	\$225/kg
Myrrh	Africa	\$1,800/kg

# SUPPLIERS OF EQUIPMENT

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## Suppliers to the African market

The distillation and extraction industry in Africa is relatively small and localised outside of the North African centers of Egypt and Morocco, and Southern Africa (South Africa, Swaziland). New entrants to the industry can find it hard to identify suppliers of equipment (stills, condensers, extractor vessels etc) in stainless steel, steam boilers, and other necessary materials (drums, jugs, filter papers etc).

The development of the industry in Africa would benefit greatly if there was greater sharing of information on the location of suppliers. New entrants would find it easier to identify necessary suppliers, and the concentration of orders on particular suppliers would encourage the development of skills and expertise – this is particularly necessary in the areas of fabrication of stainless steel vessels and condensers.

Some contacts of companies involved in the manufacture of distillation/extraction equipment or the capability to do so (primarily the capability to work with stainless steel) or supply of materials based in East Africa are given below.

**The Newsletter would welcome information from Readers on other suppliers of relevant equipment and materials from all regions of Africa, so that the listing can be expanded.**

**Please send any information to [marketinsider@intracen.org](mailto:marketinsider@intracen.org)**

The contacts are provided as a service only. NO RECOMMENDATION IS IMPLIED.

### 1. MANUFACTURE OF STAINLESS STEEL DISTILLATION EQUIPMENT:

#### KENYA:

ASL – Heavy Fabrication Division  
Ramco Industrial Park  
Mombassa Road  
PO Box 18639-00500  
Nairobi. Kenya  
Tel: +254 20 821567/820296/820394  
Fax: +254 20 820169/651893  
[bm@heavyfab.co.ke](mailto:bm@heavyfab.co.ke)  
Attn: Mr Ve Balamurali, General Manager

Warren Enterprises Ltd  
PO Box 8251  
Nairobi. Kenya  
Tel: +254 20 8561 932/3/4  
Fax: +254 20 8561 013  
Attn: Mr S Ramaswamy, Managing Director

Morris Steel & Company  
Mogadishu Road  
PO Box 18310  
Nairobi. Kenya  
Tel: +254 20 533 627  
Attn: General Manager

## **UGANDA:**

### **Specialised Welding Services** (previously Kasise Kleinsmedie Uganda Ltd)

Jinja Road, Plot 96  
PO Box 40115  
Nakawa Vocational Training Center  
Kampala  
Uganda  
Tel: +256 (776) 405060/405070/405080  
+256 (772) 227 003 (Samantha Moray)  
[sam.moray@sws.co.ug](mailto:sam.moray@sws.co.ug)  
Attn: Samantha Moray, General Manager  
[www.sws.co.ug](http://www.sws.co.ug)

## **MADAGASCAR:**

Societe Aris Trading  
Lot VB 81X Ambatoroka  
101-Antananarivo. Madagascar  
Tel: +261 20 24 264 96  
Fax: +261 20 22 290 24  
[aristrading@freenet.mg](mailto:aristrading@freenet.mg)  
Attn: Mr James Davidson

ATICOM  
Lot IT 91A Itaosy  
102 Antananarivo – Atsimondrano. Madagascar  
Tel: +261 32 07 744 34  
[orasatajoso@yahoo.fr](mailto:orasatajoso@yahoofr)  
Attn: Josoa Andriamorasata

## **SOUTH AFRICA:**

EDESA (Essential Distillation Equipment)  
PO Box 123  
Riebeeck Kasteel 7306  
Western Cape. South Africa  
Tel: +27 (82) 334 3324  
fax: 0866 088508  
[info@edesa.co.za](mailto:info@edesa.co.za)  
[werner.ede@vodamail.co.za](mailto:werner.ede@vodamail.co.za)  
[www.edesa.co.za](http://www.edesa.co.za)  
[www.stillpure.co.za](http://www.stillpure.co.za)  
Skype: werner.bester2  
Attn: Werner Bester  
Manufacture of distillation equipment and sales of used equipment.

BENCO PLANT & ENGINEERING (PTY) Ltd  
159 Van Eeden Crescent, Rosslyn, Karin Park  
P O Box 59. Pretoria, Gauteng. South Africa  
Tel: +27 (12) 541-0398  
Fax: +27 (12) 541-0399  
Attn: Sloam Durbach  
Manufacturer of distillation equipment and steam boilers

POWERSAVE  
PO Box 699  
Hilton 3245. South Africa  
Tel (cell): +27 82 493 8670  
Fax: +27 33 34 33 755

Attn: Greg Rowe  
[gregrowe@telcomsa.net](mailto:gregrowe@telcomsa.net)  
Manufacture of steam distillation plants

Henry S Komar & Associates CC  
2 Hebel Road, Roodepoort, Gauteng, South Africa  
Postal address: PO Box 994, Honeydew 2040, South Africa  
Tel: +27 11 760 2718  
Fax: +27 11 760 1079  
Attn: Stan Kumar, CEO  
[info@komar.co.za](mailto:info@komar.co.za); [sales@komar.co.za](mailto:sales@komar.co.za)  
[www.komar.co.za](http://www.komar.co.za)

Manufacture of stainless steel distillation and processing equipment. Also sales of secondhand equipment.

THE PROCESS TEAM CC  
37 Nelson Road, Amanzimtoti  
Kwa-Zulu Natal 4126. South Africa  
Attn: Peter Myburg

Design and manufacture of stainless steel distillation equipment.

## **2. SUPPLIERS OF STEAM BOILERS**

### **MADAGASCAR**

ARTICOM  
Lot IT 91A Itaosy  
102 Antananarivo – Atsimondrano. Madagascar  
Tel: +261 32 07 744 34  
[morasatajoso@yaho.fr](mailto:morasatajoso@yaho.fr)  
Attn: Joso Andriamorasata

ARTICOM make a simple, low pressure, wood fired steam boiler.

### **KENYA:**

Industrial Boiler Products Co. Ltd.  
Kampala Road, Industrial Area  
Nairobi, Kenya.  
+254 733 700175  
[mail@industrialboilerproducts.co.ke](mailto:mail@industrialboilerproducts.co.ke)  
[peter.fernandes@industrialboilerproducts.co.ke](mailto:peter.fernandes@industrialboilerproducts.co.ke)  
Peter Fernandes  
[www.ibp.co.ke](http://www.ibp.co.ke)  
Indian manufactured steam boilers; biomass fired.

Boiler Consortium Africa (BCA) Ltd  
PO Box 60780. Nairobi. Kenya  
Tel: +254 20 557837/ 536793/ 4349310  
Tel: +254 722 750131/ 703511/  
Fax: +254 20 735 331177  
Barry Corlines  
[info@boilersafrica.com](mailto:info@boilersafrica.com)  
[www.boilersafrica.com](http://www.boilersafrica.com)

BCA design, manufacture and commission boilers, included wood fired steam boilers, and are agents for Riello in East Africa.

## **SOUTH AFRICA:**

Combustion Technology South Africa  
PO Box 30047. Tokai, 7966 Cape Town, South Africa  
Tel: +27 21 715 3171  
Fax: +27 21 715 6297  
[www.combustiontechnology.co.za](http://www.combustiontechnology.co.za)

Combustion Technology are the exclusive Southern African distributors of Riello burners and Garioni Naval Boilers.

BENCO PLANT & ENGINEERING (PTY) Ltd  
159 Van Eeden Crescent, Rosslyn, Karin Park  
P O Box 59. Pretoria, Gauteng. South Africa  
Tel: +27 (12) 541-0398  
Fax: +27 (12) 541-0399  
Attn: Sloam Durbach  
Manufacturer of distillation equipment and steam boilers

CAPE BOILER  
16 Natal Street, Parden Island, Cape Town, South Africa  
Tel: +27 21 511 6652  
Fax: +27 511 4415  
Attn: Mr Nic Kellerman

## **INDIA:**

Firetech Boilers Pvt Ltd  
FIRETECH HOUSE, No.211, 2nd Cross, 38th Main,  
B.T.M Layout, 2nd Stage, Bangalore 560 068. India  
Tel: +91-80-6683686; Fax: +91-80-6683921  
Email: [firetech@vsnl.net](mailto:firetech@vsnl.net)  
Manufacture of wood fired steam boilers. Indian manufacturer, but has supplied boilers to Africa.

## **AUSTRIA:**

Binder GMBH  
Mitterdorferstr. 5  
8572 Barnbach  
Austria  
Email: [office@binder-gmbh.at](mailto:office@binder-gmbh.at)  
Tel: +43 3142 22544-0  
Fax: +43 3142 22544-16  
[www.binder-gmbh.at](http://www.binder-gmbh.at)

Binder Agents in UK:  
Wood Energy Ltd, Severn House, 1-4 Fountain Court, Bradley Stoke, Bristol. BS32 4LA  
[www.woodenergyltd.co.uk](http://www.woodenergyltd.co.uk)

Kohlbach Group  
Grazer StraBe 23  
A-9400 Wolfsberg  
Austria  
Email: [office@kohlbach.at](mailto:office@kohlbach.at)  
Tel: +43 4352 2157-0  
Fax: +43 4352 2157-290  
[www.kohlbach.at](http://www.kohlbach.at)

## **USA:**

Hurst Boiler & Welding Company, Inc.  
100 Boilermaker Lane  
Coolidge, GA 31738-0530  
USA  
Phone: +1 229-346-3545  
Fax: +1 229-346-3874  
Email: [info@hurstboiler.com](mailto:info@hurstboiler.com)  
[www.hurstboiler.com](http://www.hurstboiler.com)

### **3. SUPPLIERS OF MATERIALS AND EQUIPMENT**

#### **(a) Forklift trucks/pallet trucks**

Forktruck Solutions  
16 Kiewiet Close, Okavango Park, Brackenfel 7560, Cape Town. South Africa  
Postal address: PO Box 3221, Durbanville 7551. South Africa  
Tel: +27 21 982 1142 and +27 21 981 2649;  
Cell: +27 83 2848 557  
Fax: +27 21 982 1141  
Attn: Dirk van der Westhuizen  
[dirk@forktrucksolutions.co.za](mailto:dirk@forktrucksolutions.co.za)  
[www.forktrucksolutions.co.za](http://www.forktrucksolutions.co.za)

Sales and rental of new and used forklift trucks. Also pallet jacks/stackers and range of other warehouse equipment.

#### **(b) Hoists and lifting equipment**

Blue Cranes,  
Crane House, 10 Mansell Road, Killarney Gardens, Minerton, Cape Town, South Africa  
Postal address: PO Box 702, Melkbosstrand 7437. South Africa  
Tel: +27 21 556 0498/9  
Fax: +27 21 556 0486  
Attn: Mr Kobus Steyn  
[joseph@bluecranes.co.za](mailto:joseph@bluecranes.co.za)  
[www.bluecranes.co.za](http://www.bluecranes.co.za)

Manufactures full range of hoists, beam girder cranes and lifting equipment. Sole supplier of Liftket electric chain hoists and wire rope hoist units. Repairs and spare parts supply service. Supply of associated slings, chains, blocks etc.

#### **(c) Essential oil drums:**

Greif supply a range of steel and coated drums, and are present in 45 countries around the world.

Greif Kenya Ltd  
Box9036 - Unga Street  
Shimanzi – Mombasa. Kenya  
Tel: +254 41 2495591  
Fax: +254 41 2494038  
[pascal.wanyonyi@greif.co.ke](mailto:pascal.wanyonyi@greif.co.ke)  
Attn: Pascal Wanyonyi

Greif Nigeria Ltd  
Apapa, Nigeria  
Phone +234 (01) 587 0866  
Fax +234 (01) 587 3084  
[vanleer@linkserve.com.ng](mailto:vanleer@linkserve.com.ng)  
Attn: Olukunle Obadina,

Greif South Africa Ltd  
Vanderbijlpark, South Africa  
Phone +27 (0) 16 930 1100  
Fax +27 (0) 16 930 1106  
[carl.williams@grief.com](mailto:carl.williams@grief.com)  
Attn: Carl Williams  
Website: [www.greif.co.za](http://www.greif.co.za)

Greif Mozambique  
Maputo, Mozambique  
Phone +258 21 720153  
Fax +258 21 720724  
[vanleer@vironn.com](mailto:vanleer@vironn.com)

Greif Egypt  
Cairo, Egypt  
Phone +20 2588 1110  
Fax +20 2593 3889  
E-mail: [koracons@link.com.eg](mailto:koracons@link.com.eg)  
Attn: Ayman Korra

Greif Algeria  
Arzew, Algeria  
Phone + 213 41473723 / + 213 41473724  
Fax + 213 41473730  
[Mohamed.Gherbi@Greif.com](mailto:Mohamed.Gherbi@Greif.com)  
Attn: Mohamed Gherbi

#### **China:**

**Guangzhou New Jinrong Coopery Co. Ltd.**  
No.7 Huancui xi road  
Cuishanhu new district  
Kaiping  
Guangdong, China  
**Ms. Lucinda Lux**  
Tel : +86 159 14338971,+86 18620468156, 0750-2889978  
Fax: +86 7502889978  
Email: [newjinrong@163.com](mailto:newjinrong@163.com); [paul\\_chew@163.com](mailto:paul_chew@163.com)  
SKYPE: xpyllj74

#### **India:**

**Al-Can Exports Pvt Ltd**  
Sheetal Industrial Estate, Kashimira Road,  
Bhayander East District,  
Thane 401 105  
India.  
Tel: +91 22 2819 3122  
Fax: +91 22 2814 2477  
Email: [info@alcanexports.com](mailto:info@alcanexports.com)  
Large range of aluminium flasks and bottles.

**France:**

**Tournaire SA**

70, Route de la Paoute

Le Plan.

BP 71004

06131 Grasse Cedex

France

Tel: +33 493 09 34 34

Fax: +33 493 09 34 00

Email: [tournaire@tournaire.fr](mailto:tournaire@tournaire.fr)

Tournaire do a very wide range of aluminium bottles.

**(d) Secondhand/used equipment**

Secondhand equipment, particularly stills and condensers, can represent very good value. Details are given for 2 companies which have experience of shipping worldwide, and sometimes have distillation equipment in stock.

Perry Process Equipment Ltd

Station Road

Aycliffe Business Park

Newton Aycliffe

County Durham. DL5 6EQ. UK

Phone: +44 1325 315111

Fax: +44 1325 301496

[info@perryprocess.co.uk](mailto:info@perryprocess.co.uk)

Website: [www.perryprocess.co.uk](http://www.perryprocess.co.uk)

Perry Process Equipment is the European headquarters of the Perry Group of companies, which has operations around the world and is one of the worlds largest dealers in secondhand process equipment.

Centriplant Ltd

Littlemead Industrial Estate

Alfold Road

Cranleigh

Surrey. GU6 8ND

UK

Phone: +44 (01483) 271507

Fax: +44 (01483) 278183

Contact: Mark Williams [markw@centriplant.co.uk](mailto:markw@centriplant.co.uk)

Website: [www.centriplant.co.uk](http://www.centriplant.co.uk)

Centriplant has distillation plants on an occasional basis, but always have a range of stainless steel tanks, and bottling/packing lines that could also be of interest to producers.

# Events Calendar

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European Federation of Essential Oils, AGM  
2-3 June 2016. Grasse, France  
[www.efeo-org.org](http://www.efeo-org.org)

World Perfumery Congress 2016  
13-15 June 2016. Florida, USA  
<http://wpc.perfumerflavorist.com>

Health Ingredients (Hi) China  
21-23 June 2016. Shanghai, China  
[www.figlobal.com](http://www.figlobal.com)

Cosmobeaute Asia  
18-21 July 2016. Kuala Lumpur, Malaysia  
[www.beauty-events.com/Cosmobeaute-Asia](http://www.beauty-events.com/Cosmobeaute-Asia)

Cosmoprof N America  
24-26 July 2016. Las Vegas, USA  
[www.cosmoprofnorthamerica.com](http://www.cosmoprofnorthamerica.com)

Food Ingredients (Fi) & Health Ingredients (Hi) South America  
23-25 August 2016. Sao Paulo, Brazil  
[www.figlobal.com/southamerica/](http://www.figlobal.com/southamerica/)

Vitafoods Asia  
1-2 September 2016. AsiaWorld-Expo, Hong Kong  
[www.vitafoodsasia.com](http://www.vitafoodsasia.com)

IFEAT 2016 Conference  
25-29 September 2016. Dubai.  
[www.ifeat.org](http://www.ifeat.org)

Cosmoprof Asia-Hong Kong  
15-18 November 2016. Hong Kong  
[www.cosmoprof-asia.com](http://www.cosmoprof-asia.com)

Health Ingredients (Hi) Europe  
29 November – 1 December 2016. Frankfurt, Germany  
[www.figlobal.com/hieurope/](http://www.figlobal.com/hieurope/)

Food Ingredients (Fi) Europe  
29 November – 1 December 2016. Frankfurt, Germany  
[www.figlobal.com/hieurope/](http://www.figlobal.com/hieurope/)

BiobasedWorld Tradeshow  
15-16 February 2017. Cologne, Germany  
[www.boiobasedworld.de/en/home.html](http://www.boiobasedworld.de/en/home.html)

Fi & Hi Russia  
28-30 March 2017. Moscow, Russia  
[www.figlobal.com/russia/](http://www.figlobal.com/russia/)