



FRUIT PROCESSING *digital*

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Business News

Energy Management

Filtration

Market Price Report

Packaging

Raw Material

Sustainability

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**Can tropical fruit in European juices
be sustainable?** An answer in this issue on page 114ff.

SUSTAINABILITY

Sustainability in fruit juice production – more than just a question of the “right” seals 114



The basic idea is as simple as it is obvious: Do not take more from a system than what can grow back, so as not to damage it in the long term, and thus preserve it for others, also for the following generations. Mr Hans Carl von Carlowitz, the Saxon chief mining officer, is considered the creator of the term “sustainability”, which he coined in connection with forestry more than 300 years ago. And this means that a first important realisation of the idea of sustainability lies in the fact that thinking and acting must be geared to the long term in order to achieve a fluid balance of natural resources ...

FILTRATION

New filtration system yields sweet benefits for corn syrup producer 118

If you ate something sweet today, chances are pretty high that you consumed corn syrup in some form. So, what is corn syrup? Corn syrup is used in foods to soften texture, add volume, prevent crystallization of sugar and enhance flavor. There’s also high fructose corn syrup, which is manufactured from corn syrup by converting a large proportion of its glucose into fructose, thus producing an even sweeter compound. One of the world’s leading producers of corn sweeteners, including corn syrups, high fructose corn syrups, maltodextrin, crystalline fructose and dextrose, was looking for ways to improve its production process to reduce product loss, decrease maintenance costs and minimize injury risks ...

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RAW MATERIAL

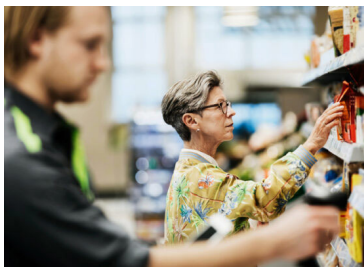
Australian citrus growers promote healthy fruit harvest 120

South Australia’s premium orange growers are hoping a spike in demand for Vitamin C-laden fruit will grow its Asian markets. As harvest of top-quality navel oranges approaches in South Australia later this month, Citrus Board of Australia chairman Ben Cant said anecdotal evidence showed consumers are searching for healthy fruit as COVID-19 reshapes demand. About 50 per cent of the South Australian citrus crop is exported and Cant said the industry was cautiously optimistic freight shipments would continue to key markets in China and Japan ...



PACKAGING

Security of supply in times of crisis: an open view of packaging. 122



Commentary by Mara Hancker, Managing Director of IK Industrievereinigung Kunststoffverpackungen (German Association for Plastics Packaging and Films) Until a few weeks ago anyone hearing the words “plastic packaging” often thought of waste first. Plastic packaging had to be combatted, and anyone who used it should be ashamed of themselves. Virtually no one wanted to hear about the ecological benefits, facts were frighteningly irrelevant to many discussions and the populist “plastic-free” demand drowned out many factual arguments ...

ENERGY MANAGEMENT

Container glass to reduce CO₂ by 50 %. 126

For the first time ever, European container glass manufacturers come together to build the first large scale hybrid electric furnace to run on 80 % green electricity. The ‘Furnace of the Future’ is a fundamental milestone in the industry’s decarbonisation journey towards climate- neutral glass packaging. It will be the first large-scale hybrid oxy-fuel furnace to run on 80 % renewable electricity in the world. It will replace current fossil-fuel energy sources and cut CO₂ emissions by 50 % ...

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