



2019年第25期总192期

粮食和食品安全专题

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▶ 前沿资讯

1 . Caterpillar's devastating march across China spurs hunt for native predator (大规模毛虫侵袭中国，亟需天敌)

简介: A hungry caterpillar that ravages crops is advancing across China and threatening the nation's vast supply of maize. Scientists are investigating ways to minimize the damage caused by the invasive fall armyworm — which was first detected in China in January — including experimenting with native predators that could keep the pest in check. Some researchers say that the insect's spread might have been slowed if the country grew genetically modified food crops. The fall armyworm (*Spodoptera frugiperda*), a native of Central and South America, has spread around the world in the past few years, causing devastation of crops in parts of Africa and southern Asia. Since its arrival in China, it has been found in 18 provinces, regions and municipalities, according to China's ministry of agriculture.

来源: Nature

发布日期: 2019-06-17

全文链接:

https://www.nature.com/articles/d41586-019-01867-3?utm_source=Nature+Briefing&utm_campaign=6f0e637a9c-briefing-dy-20190617&utm_medium=email&utm_term=0_c9dfd39373-6f0e637a9c-44044989

2 . Why some plastic packaging is necessary to prevent food waste and protect the environment (为何部分塑料包装能够阻止食物浪费并保护环境)

简介: There has been a surge in awareness of the damage that plastic pollution does to our planet in recent years. It has spurred a number of campaigns to remove single-use plastics from our daily lives. This extends to food packaging, with a Waitrose supermarket in the city of Oxford recently launching a package-free trial. Many people bemoan the large amount of packaging that supermarkets use, particularly for fruit and vegetables, most of which have their own natural protection. Nonetheless, a major reason that supermarkets use so much packaging is to protect food and prevent waste — particularly with fresh food. Removing plastic entirely from our food supply may not be the best solution when it comes to protecting the environment and conserving valuable resources.

来源: The Conversation

发布日期: 2019-06-07

全文链接:

<https://theconversation.com/why-some-plastic-packaging-is-necessary-to-prevent-food-waste-and-protect-the-environment-117479>

▶ 行业报告

1 . Grain: World Markets and Trade-201906 (谷物；世界市场与贸易)

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-201906)

简介: The convergence of China's rice import and export quantities is shifting global rice trade dynamics. Only 10 years ago, China played a minor role in rice trade, largely self-sufficient as the top global producer and consumer. However, its domestic support for rice farmers grew with steadily climbing minimum purchase prices for paddy rice translating into high milled prices for consumers. As global exporter prices softened in 2011, China quickly grew in prominence as a major buyer and has been the top importer since 2013. Key suppliers have been neighbors Vietnam and Burma, while Thailand and Cambodia have also played significant roles. Recent changes to the tariff definitions affecting glutinous rice and efforts to formalize trade and establish quotas with Cambodia and Burma have also shifted trade patterns.

来源: USDA

发布日期:2019-06-11

全文链接:

<http://agri.ckcest.cn/file1/M00/06/80/Csgk0F0JkbqAVaeXABJZI1vzcMA324.pdf>

2 . World Agricultural Production-201906 (世界农业生产-201906)

简介: Ukraine wheat production for 2019/20 is forecast at 30.0 million metric tons, up 3 percent from last month and up 20 percent from last year. Harvested area is forecast at 7.0 million hectares, unchanged from last month and up 4 percent from last year. Yield is forecast at a record 4.29 tons per hectare, up 3 percent from last month and up 15 percent from last year. The month-to-month increase in yield is attributed to favorable weather in the Steppe Zone, which accounts for about half of Ukraine's production. Landsat imagery shows favorable conditions compared to last year. Additionally, MODIS Normalized Difference Vegetation Index (NDVI) in the Steppe Zone depicts an above-average crop. All USDA crop production estimates for Ukraine include estimated output from Crimea.

来源: USDA

发布日期:2019-06-11

全文链接:

http://agri.ckcest.cn/file1/M00/06/80/Csgk0F0J_S-AGkUCAC-vd9E3RcM165.pdf

3 . Russia: Grain and Feed Annual-201906 (俄罗斯谷物饲料年报-201906)

简介: Assuming normal weather during the growing season, FAS/Moscow forecasts Russia's wheat production in marketing year (MY) 2019/20 at 79.0 MMT, which is almost 7.0 MMT higher than last year due to an increase in winter wheat planted area and lower expected rates of winterkill. Exports are forecast at 37.5 MMT, which is up from the previous year. Russia is expected to be the top global wheat exporter for the third consecutive year.

来源: USDA

发布日期:2019-05-22

全文链接:

<http://agri.ckcest.cn/file1/M00/06/80/Csgk0F0JmGGAX16VAAaLBhZtHhU747.pdf>

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