# **CHINA NUTS AND ROASTED SEEDS** INDUSTRY PHASE II 2023 TOTAL NINETY SEVEN ISSUE www.csnc.cn

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**The Nuts and Roasted Seeds Foods Industry Advocates Freshness and Health** In the Post-COVID-19 era



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### LIQUID JACKETED NATURAL GAS BOILER



### DIRECT-FIRED DOUBLE-SIDED HOT AIR CIRCULATION MESH BELT DRYER

APPLICATION : DRYING OF SUNFLOWER SEEDS, WATERMELON SEEDS, PEA-NUTS, PUMPKIN SEEDS, PECANS, ALMONDS, DAILY NUTS AND OTHER NUTS, FOOD, GRAIN, POTATO CHIPS AND OTHER MATERIALS.



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### DIRECT-FIRED HOT AIR DOUBLE CIRCULATION BELT DRYER

APPLICATION: DRYNG SUNFLOWER SEEDS, WATERMELON SEEDS, PEANUTS, PUMPKIN SEEDS, CORN, WALNUTS, APRICOT KERNELS, MACADAMIA NUTS, PIS-TACHIOS, DAILY NUTS AND OTHER NUTS, FOOD, GRAIN, POTATO CHIPS ETC.

### PRODUCTION UP 40%



THE CIRCULAT-ING HOT AIR IS BLOW IN RIGHT LEFT UP DOWN. PARTITION TEM-P E R A T U R E, M U L T I - P U R -POSE DRYING.

### INTERMITTENT HOT AIR CIRCULATION DRYER

APPLICATION : DRYING SUNFLOWER SEEDS, WATERMELON SEEDS, PEANUT PUMPKIN SEEDS, WALNUTS, FLAT WALNUTS, PECANS, MACADAMIA NUTS, DAILY NUTS ETC.

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ENERGY CONSUMPTION DOWN 30%

MOISTURE EMISSION OUT-DOORS EFFECTIVELY IMPROVE TPRODUCTION ENVIRONMENT



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### CHINA NUTS AND ROASTED SEEDS INDUSTRY



The Nuts and Roasted Seeds Foods Industry Advocates Freshness and Health In the Post-COVID-19 era

**Guided by:** Specialized Committee for Nuts and Roasted Seeds of China National Food Industry Association. **Sponsored by:** Beijing Zhongjian Heguo Information Technology Service Co., Ltd.

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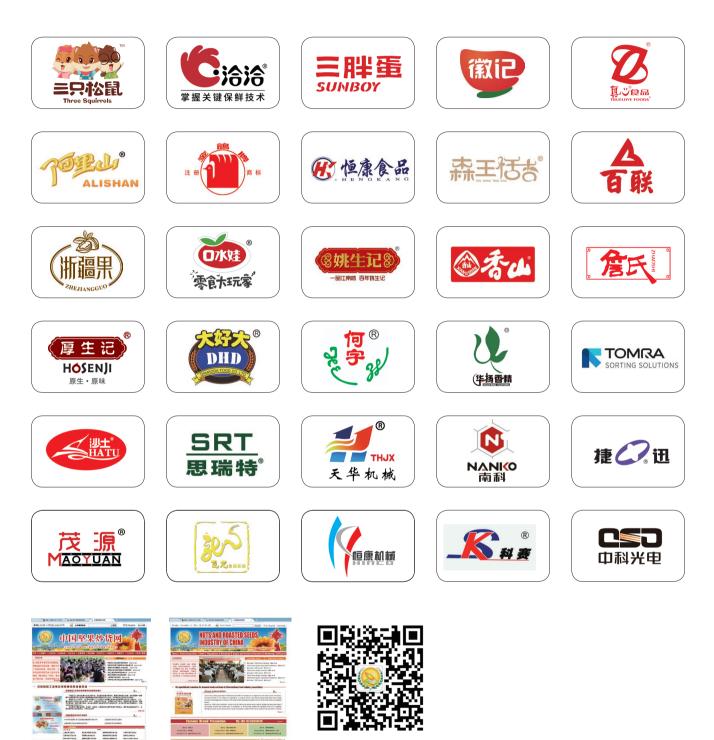
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### A Letter of Invitation for New English Electronic Edition of China Nuts And Roasted Seeds

China Nuts And Roasted Seeds is under the guidance of the Specialized Committee for Nuts and Roasted Seeds of China National Food Industry Association and sponsored by Beijing Zhongjian Heguo Information Technology Service Co., Ltd., http://www.csnc.cn and www.chinanutexpo.com. it is currently the only domestic guiding journal for the nuts and roasted seeds industry. To make the world's nuts industry know more about China's nuts and roasted seeds industry, to integrate China's nuts industry into the global nut economic and trade integration, and to cooperate with the global peers for win-win results. To adapt to this new development trend, since April 2020, China Nuts And Roasted Seeds has added an English electronic version to serve as an exchange of information for nut enterprises, the industries and associations worldwide. We are sincerely soliciting contributions from domestic member enterprises, as well as domestic and foreign readers, professional scholars, and nuts and roasted seeds practitioners. The contents and scope of the contributions are concluded as follows:

I.Popularize the performance and experience of the enterprise and its leaders (chairman and general manager) (please attach the working photos of the enterprise and leaders at the same time);

II.Introduction to working attainment and experience: workshop management, technology, process, quality, quality management, product development, inspection and other working attainment and experience;

III.Popularize the latest scientific research achievements of the enterprise (raw

material planting, nutrition, technology, equipment, additives, etc.) and the promotion of new products (in Chinese and English);

IV.Marketing experience and introduction: attainment and experience in warehousing, transportation, wholesale, product sampling, direct selling and terminal markets, business negotiation and contract signing, etc.

V.Solicit the information needed by the enterprise, such as the information consultation on raw material purchase, equipment purchase, talent recruitment, etc.

VI.Put forward the relevant suggestions and opinions to the Magazine;

VII. The members of the Magazine's expert panel shall provide 2-3 professional manuscripts each year, which may be prepared by themselves or recommended.

VIII.Manuscripts may be provided in both Chinese and English. Welcome to contribute and recommend your manuscript! Requirements for manuscript solicitation: manuscript shall be in the form of electronic document. Please send it to: cnfiec@163.com

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Editorial Department of China Nuts And Roasted Seeds

### Information Consulting Service Table for China Nuts And Roasted Seeds in Chinese and English

The Chinese and English versions of China Nuts And Roasted Seeds also receive the information consulting services from relevant enterprises and associations at home and abroad. The specific contents are concluded as follows:

I.Information Consulting Service Charge for Chinese Version

1.Consulting Service Price

Category A: RMB 18,000/Page/Year for Single Page (6 Issues of Internal Pages + 1 Issue of the Journal)

RMB 35,000 Yuan/Year for Continuous Pages (6 Issues of Internal Pages + 1 Issue of the Journal)

Category B: Enterprise Special Service: Carry out the special popularization (including pictures, interviews, popularization reports, etc.) in the specific consideration of the needs of the enterprise. Consult the staff of the Association for the specific details.

Category C: 4-Cover Services (Bimonthly, Six Issues a Year)

Front Cover: RMB 45,000 yuan/year (no single issue); Back Cover: RMB 38,000 yuan/year (8000 yuan/issue)

Cover II: RMB 28,000 yuan/year (5000 yuan/issue); and Cover III: RMB 28,000 yuan/year (5000 yuan/issue)

Full Page Position of English Contents: RMB 25,000 yuan/year (4500 yuan/issue)

Full Page Position of Copyright: RMB 25,000 Yuan/Year (4500 Yuan/Issue) 2.Rights and Interests in Consulting Services

All the aforesaid three categories may enjoy the following services: 1. Free 3 copies of magazines each issue throughout the year; 2. One page (A4) published in each issue throughout the year to popularize the colorful pages of the enterprises or products, or to popularize the latest scientific research achievements of the enterprise (raw material planting, nutrition, technology, equipment, additives, etc.) and the soft-text promotion of new products. 3. Other consulting services provided, such as the industrial standards, policies and regulations.

### **3.Production Requirements**

Front Cover Size: 210\*206mm (to set aside a reading guidance position); Cover II/Cover III/Back cover/Inner page size: 210\*285mm; precision requirements for four covers and inner pages: 300DPI; format requirements: JPG, PSD, TIF, EPS, AI; Leave 3mm around each to extend or expand. II.Information Consulting Service for the English Electronic Magazine 1.Consulting Service Price Category A: RMB 10,000/Page/Year for Single Page (6 Issues of Internal Pages + 1 Issue of the Journal) (2000 Yuan/Issue)

RMB 15,000 Yuan/Year for Continuous Pages (6 Issues of Internal Pages + 1 Issue of the Journal) (3000 Yuan/Issue)

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Full Page Position of English Contents: RMB 12000 yuan/year (2500 yuan/issue)

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### **INDUSTRIAL ECONOMY**

# The Nuts and Roasted Seeds Foods industry advocates freshness and health in the post-COVID-19 era



he Nuts and Roasted Seeds industry in the 1.0 era,the commercial supermarket brand represented by Qiaqia was born,and in the 2.0 era,the E-commerce brand represented

by Three Squirrels was born.

Now, the post-COVID-19 era has come, and the products of nuts and roasted seeds emphasize freshness and health more, and pay more attention to the on-site experience of consumers. Therefore, offline stores are taken as the business unit, and fresh readymade products are taken as the product atmosphere, so that consumers can enjoy the steaming "fresh snacks".

In recent years, nuts and roasted seeds stores have opened the road of brand

transformation. With the upgrading of stores, traditional nuts and roasted seeds stores have returned to the sight of consumers.

In the snack 3.0 era, represented by Xueji Chaohuo and Panda Momo is more emphasis on freshness and health, and more attention is paid to the on-site experience of consumers. Therefore, offline stores are taken as the business unit, and fresh readymade products are taken as the product atmosphere, so that consumers can enjoy the steaming "fresh snacks".

Compared with the "Snack Busy", "Laiyf" and other plastic packaged snacks, Xueji Chaohuo and Panda Momo are weighed in bulk, and the "Unpacking bag" display method makes the freshly made product features and store atmosphere more transparent to consumers.

### New mode: "new" franchise with 0 participation fee drives rapid expansion of stores

Not only the store model is light and fast, but also the participation fee can be exempted, instead of charging 3% of the monthly flow. This means that the partners of the store have double advantages: first, the starting capital of the store is lower, and second, the brand side binds the interests with the business results, and both sides become the interesting community and operation collaborators. In the 3.0 era, the nuts and roasted seeds enterprise team can also streamline SKUs and strictly control them within 100, far lower than the 200-300 SKUs commonly used in the industry, so as to ensure that there is bandwidth to polish the quality of each

is bandwidth to polish the quality of each product in place and make the supply chain more convenient for management.

### New strategy: a "Bright Light" towards the traditional packaged snack track

In the 3.0 era, the nuts and roasted seeds focused on fresh snacks, which is in line with the current trend of consumption upgrading, and also solves the problem that consumers have both health attributes while pursuing taste, which is not possessed by traditional snack chain brands and cannot be imitated.

# Bige is a second second

SUNFLOWER SEEDS

原味瓜子就选

一胖蛋

三胖蛋食品旗舰店

**4000 181 333** 

### INDUSTRY CHAIN MARKET



### **1.Macadamia Nut oil**

Supply:Cold-Pressed Macadamia Nut Oil :without additives Company Name:Cenxi Xinchang Nut Development Co., Ltd Contact Person:Liang Canmei Tel:17807743338

### **2.New production season of American hazelnut with shell in 2022**

Supply:Imported from the United States with original packaging, new production season and varieties in 2022; Jefferson, the kernel yield is 40%+, 1190.67kg/bag per ton.

Company Name:Kunshan California Orchard Trade Co., Ltd Contact Person:Li Binhe Tel:17301896795

### **3.Large** supply of natural pistachio nuts imported from the United States of 21 - 25:walnut and NP almonds with shell.

Supply:Shandong Jiangxin Food Co., Ltd. supplies a large quantity of natural pistachio nuts imported from the United States in the original package of 21-25, American red walnut, shell NP almonds, NPx27-30.30-32 shelled almonds nuts, dajian, er'jian, er'yuan hazelnuts with shell, Philippine banana slices, a large amount of price concessions, welcome to call.

Company Name:Shandong Jiangxin Food Co., Ltd. Contact Person:Li Daozhong Tel:13805411676

### 4.Supply of Prune (model: 70/80, 90/100), a total of about 100 tons, welcome to inquire

Supply:Prune (model: 70/80, 90/100), a total of about 100 tons,readyto-eat seedless prune (model: 40/50 and 70/80), a total of about 30 tons. Company Name:Shanghai Yaokang International Trade Co., Ltd Contact Person:Ye Hongmei Tel:13816343388

### 5.S series high-performance weight tester

Supply:High-speed and high-precision models can be used on high-speed and high-precision occasions, with dynamic accuracy of up to  $\pm$  0.1g and weighing speed of up to 250 times per minute. The bandwidth is 150/220/300/360/450mm, and the range is 200g/1kg/4kg/10kg. With 232 weight and pulse feedback, it supports labeling printing and powder screw adjustment.

Company Name:Zhiyan Intelligent Technology (Jiaxing) Co., Ltd Contact Person:Jin Kanghu Tel:18916101818



### 1.Buy seeds of 361 and 2399

Demand:We are looking for seeds of 361 and 2399, with the standard of 200-230g per 1000 grains. Sanrui No. 11, No. 9, 373376377, small seeds, Fengshou No. 10

Company Name:Wuyuan country Fuhai farm food products Sales Co. Contact Person:Wang Fuhai Tel:13514785558

### 2.Looking for top-quality Hui jujube

Demand:We are looking for top-quality Hui jujube. It is required that the dryness and meat quality should be good,whether new or old. If you have goods, you can contact me at any time.

Company Name:Cangzhou Chaoda Jujube Industry Co., Ltd Contact Person:Li Tel:15033698876

### 3.Looking for Model No. 400 Twisted cookie machine and Sprinkle sesame machine

Demand:We are looking for Model No.400 twisted cookie machine and sesame machine. Its specification is 420 (42cm wide and 76m long) steel strips.

Company Name:Henan Xinmi Yuda Food Machinery Manufacturing Co., Ltd

Contact Person:Zhang Xinzhou Tel:13503854151

### 4.Looking for high-quality Xinjiang 185 Walnuts

Demand:We are looking for high-quality Xinjiang 185 Walnuts

Company Name:Xiaoju Fruit Business Departmen

Contact Person:Manager Ju Tel:13562611565

### INDUSTRY CHAIN **PRODUCT**

# **Be&Cheery launched Cucumber-flavored macadamia nuts**

Zhong An Nuts Manufacturing Co.,Ltd.



### Here comes the new product!

This time, two new snacks were introduced: Cucumberflavored crispy macadamia nuts and mustard-flavored crispy macadamia nuts.

Mustard-coated crispy macadamia nuts have become a wellknown product in this year and are likely recognizable to all. The first taste is fresh mustard flavor, and the second taste is pure nut flavor.

If you are a buddy who enjoys cucumber-flavored potato chips, you should anticipate this cucumber-flavored nut.

To begin with, we employ the same seasoning of "Le Shi" to guarantee that the taste is essentially the same.

Additionally, the nuts are encased in a crunchy shell, providing a crunchy texture and a similar sensation to that

of eating potato chips. Therefore, for those concerned about the caloric intake of potato chips, this nutty snack is a great alternative as it is nutritious, healthy, and filling.

### Selling point Plain packs is more enjoyable

The outbreak of the epidemic has caused many people to feel like they have been spending more time at home, leading to an increased demand for large packaging.

Additionally, people are now looking for convenient food options for outdoor travel, overtime, work, and commuting, which has created a need for large barrels and individual packages.

Therefore, we choose the form of large-size barreled and independent package to meet the needs of more consumers.

Enjoy the large-size barreled and share the joy! Net content: 150g (15g \* 10 bags)



### INDUSTRY CHAIN EQUIPMENT

# FULL-AUTOMATIC VACUUM FLAVORING OUPMENT FOR PEANUT AND SUNFLOWER SEEDS

ingdao Fenglin Food Machinery Co., Ltd. created the "automatic vacuum flavoring equipment for peanut and melon seeds" product, which was awarded the second prize of the 7th (2020-2021) National Science and Technology Progress Award in Nuts and Roasted Seeds Food Industry. This equipment utilizes vacuum negative pressure to submerge peanut meat different flavors, resolving the issues of slow tasting speed and inadequate processing effect of soaking peanut meat in regular containers.

This equipment has the features of continuous Incoming and outgoing materials, high automatic control effect, high automation, low cost, no need to use aircraft, small space, etc. It adopts continuous feeding and unloading mode, and can be used at ordinary workshop height. The equipment makes peanuts taste under vacuum and negative pressure through sealing device. Automatic control of time and pressure, automatic control of feed water inlet and outlet, equipped with feed water mixing and water storage tank, PLC



control. After discharging, it enters the temporary storage hopper through the conveying device, and then enters the dryer through the conveyor belt. The water tank can automatically adjust the water temperature according to different formulas and it automatically controls the temperature by heating. Various additives enter the mixing tank through automatic metering and they can be flexibly used on various production lines. According to the output, there are three models: large, medium and small, which are very convenient to use.

### INDUSTRY CHAIN ACCESSORIES

# New Initiatives to Safe and Fresh of OLAOLA FOOD Development and Application of Double-Effect Oxygen Absorber

ouble-effect Oxygen Absorber agent is a kind of freshkeeping agent that can continuously isolate oxygen and effectively control humidity, which is jointly developed and designed by Qiaqia Food Co., Ltd. and Hangzhou Ganjiang Industrial Co., Ltd. for products with low moisture activation value such as nuts and roasted seeds.

This product was authorized by the national invention patent "an Adsorbent with deoxygenation and humidity control functions and preparation method thereof " on January 11, 2017. In 2021, it won the World Packaging Organization [World Star] Food Saving Award for its advanced and efficient active packaging technology solutions for the food and drug industry. In 2022, it won the second prize of the 7th "National Award for Science and



### INDUSTRY CHAIN ACCESSORIES



Technology Progress in Nuts and Roasted Seeds Food Industry".

Its innovative formula, process design and double-layer embedding technology have solved the process conflict problem of incompatibility between traditional deoxidizer and desiccant, and realized that a package of products has both efficient oxygen removal and moisture absorption functions. It can reduce the oxygen concentration in the container to less than 0.1% within 24 hours, and has the ability of rapid moisture absorption. The moisture absorption rate can reach more than 50%, which is higher than that of ordinary desiccants (the maximum moisture absorption rate of calcium oxide desiccant is about 35%, and that of silica gel desiccant is 38%). It provides a sustainable means of keeping fresh for drugs, health products, nuts and roasted seeds, tea, oat milk powder and grain with high requirements for moisture and oxidation prevention, solves the problems of oxidation, discoloration and mildew of such products, and further extends the storage life of products.

The packaging materials utilize key technologies like moisture-proof and anti-oxidant roller coating, non-woven paper three-proofing treatment, and high permeability perforation of the breathable film. The non-woven paper in the middle layer is sprayed with three-proofing treatment to make it waterproof, oil-resistant, and powderproof. This is used to substitute for the mislaid perforated packaging materials, which can reduce the danger of material leakage and heat sealing of the packaging.

In addition, the functional materials used in this double-effect oxygenabsorbing agent are natural minerals such as silica, activated carbon and salt, which can be naturally degraded, safe and environmentally friendly. At the same time, it can also reduce packaging costs and improve production efficiency by replacing the fresh-keeping mode of one oxygen absorber+one desiccant.

At the same time, the key core technology of dual-effect oxygenabsorbing agents fills the gap in the industry and reaches an international advanced level. At present, it has been applied in the fields of snack food industry, medicine industry, etc., and its growth is determined by its extensive application scenarios.

To sum up, this double-effect oxygenabsorbing agent is applied to the daily nut products of Xiaohuang Bags to prevent the moisture of the dried fruit products in the bags from migrating to the nut products, control the oxygen content in the bags to inhibit the oxidation of nuts, further ensure the freshness of the contents of Xiaohuang Bags, and bring consumers a better sense of experience. It is undoubtedly an innovative design to meet customer needs.

### INDUSTRY CHAIN RAW MATERIAL

# Small Hazelmut Interlinking Big Industry Small Nut Into A Big Brand

Shandong Sanyang Zhenyuan Biotechnology Co., Ltd., established in 2016, owns wholly-owned subsidiaries Shandong Huashan Agriculture and Forestry Technology Co., Ltd. and Zhucheng Sensen Garden Agriculture and Trade Technology Co., Ltd. This is a comprehensive group company that combines the selection of hybrid hazelnut seedlings, hazelnut planting technology promotion, hazelnut base construction, hazelnut international and domestic trade, hazelnut product research and development and deep processing. It utilizes the "enterprise+professional cooperative+base+farmer+trade+R & D+processing and sales" cooperation model to construct the entire Chinese hazelnut industry chain. Among them, Shandong Huashan Agriculture and Forestry Technology Co., Ltd. has constructed and is rapidly enlarging the biggest 10000 mu hazelnut industry model base in the south of Zhucheng City, hastening the formation of the entire industrial chain of hazelnut industry integration of primary, secondary and tertiary industries, and truly transforming "small nuts" into a "big brand" and bringing it to the nation. Wei Yuming, in collaboration with the Shandong Provincial Fruit

Research Institute, China Agricultural University, and Qingdao Agricultural University, spearheaded the formation of a strategic alliance for technological advancement in the hazelnut industry in Shandong Province in order to expand and strengthen the industry. This alliance brings together scientific research institutes, universities, and businesses, and works to promote the comprehensive growth of production, education, research, and application.

The alliance has brought together over 160 growers and related businesses in the hazelnut industry's supply chain to provide unified guidance, information exchange, and branding support. Currently, the alliance has spread to 10 provinces and cities, such as Jiangsu, Henan, Hebei, Beijing, Shaanxi, and Xinjiang, resulting in an increase in hazelnut planting area to over 60000 mu.Chairman of Shandong Sanyang Hazelnut Biotechnology Co., Ltd., Wei Yuming, established a team for technology, production, research and development, and marketing, and collaborated with universities such as China Agricultural University to create hazelnut milk, hazelnut oil, multi-flavor hazelnut, hazelnut noodles, hazelnut nuts, hazelnut protein peptide, and other



products that have been well-received by consumers, thus filling the void in the deep processing of domestic hazelnut products. Wei Yuming, chairman of Shandong Sanyang Hazelnut Biotechnology Co., Ltd. Not only that, Wei Yuming also set up a technology, production, research and development, marketing team, and cooperated with colleges and universities such as China Agricultural University to develop hazelnut milk, hazelnut oil, multi-flavor hazelnut, hazelnut noodles, hazelnut nuts, hazelnut protein peptide and other products that are also popular with consumers, filling the gap in the deep processing of domestic hazelnut products. 💏

### INDUS INDUSTRY CHAIN PLANT

# BREEDING OF A NEW HYBRID SUBJECT Variety "S3658" With High Quality, Short Stem And High Yield



he Ministry of Agriculture and Rural Affairs registered the hybrid sunflower "S3658" on April 12, 2019, which has high quality, short stem, and high yield white seeds. This sunflower was awarded the scientific and technological achievements of Hebei Province on April 30, 2020.

### I. Variety characteristics

The hybrid sunflower "S3658" has a number of desirable characteristics, including neat growth, strong growth, uniform size of flower disc, white, plump and long conical grains. It has a plant height of 1.7 meters, a flat plate, a disc diameter of 28-35cm, and a seed setting rate of 71.18%. The seeds are long and conical, with a weight of 23 grams for every hundred seeds. The grain length is 3.0-3.5cm, and the grain width is 1.0-1.2cm. The root system is well-developed, and the plant is short and resistant to lodging. It takes about 106 days from emergence to maturity.

### II. Yield advantage

S3658 has conducted regional trials and production comparison tests in multiple major sunflower-producing regions. Its features are consistent, and its traits are remarkable. Its metrics such as seed setting rate, singlehead solid seed count, and 100-grain weight are superior to the market's black sunflower variety "363". It has been popularized in main sunflower-producing areas such as Inner Mongolia, Gansu and Xinjiang. The technology is stable and reliable, and is welcomed by sunflower growers, dealers and consumers. To some extent, it alleviates the problems of low yield and poor quality of white seed sunflowers over the years, has high product added value, and has a significant effect on improving farmers' income.

### III. Variety advantage

Due to the fact that "S3658" is naturally white, it is simple to spot moldy seeds during the collection, drying, and roasting of melon seeds. This makes it easier for melon seed roasts to take out any moldy or deteriorated seeds. The quality of melon seeds is more than double that of regular black melon seeds, and the amount of aflatoxin is nearly nonexistent. The white sunflower has a pleasant aroma while roasting, and it is crunchy and full of protein and vitamins.







### Indian sunflower seed oil imports will rise to a record level in January

In January,India's sunflower oil imports are set to surge to a record 473,000 tonnes,nearly triple average monthly imports as top exporters Russia and Ukraine seek to reduce stockpiles.

The price discount of sunflower seed oil relative to soybean oil has expanded to the highest level in nine months, attracting the interest of Indian buyers.

India, the world's biggest vegetable oil importer, the import surge will help key Black Sea producing countries in reducing their stocks, but could dampen India's palm oil imports and weigh on Malaysian palm oil prices.

### The global sunflower seed export will hit a record high in 2022/23

Oil World, an analysis agency headquartered in Hamburg, estimated that the global sunflower seed export volume will exceed 5 million tons in 2022/23, a record high, higher than 2.2 million tons last year.

The reason for the significant growth in sunflower seed exports is the change in the export structure of Ukraine. Due to the impact of the domestic power supply crisis on the operation of the crushing plant, Ukraine has changed its export focus from sunflower seed products (oil and meal) to exporting raw materials (sunflower seed) in 2022/23. Preliminary forecasts show that Ukraine will export 2.7 million tons of sunflower seeds in 2022/23, far higher than 100000 tons in 2021/22 and 200000 tons in 2020/21.

According to Oil World, Ukraine's sunflower seeds are mainly exported to Bulgaria, Romania, Hungary and Türkiye, which will make the import volume of EU sunflower seeds in 2022/23 reach 2.2 million tons, doubling year on year. For the first 5 months of 2022/23 MY, the Kazakhstan sunflower seed export has already exceeded last year's Volumes



According to National Oilseed Processors Association of Kazakhstan (NOPA),for the first 5 months of 2022/23 MY(September 2022-January 2023) ,may reach at least 231thsd tonnes, exceeding the annual export volume of 223.7 thsd tonnes last year.

The Association said that in the case of global sunflower seed supply shortage, if the sunflower seed export is not further controlled, the price of domestic sunflower oil may rise.

The sunflower seed crop amounted to about 1 mln tonnes in weigh after processing in Kazakhstan in 2022. The total export of sunflower seed (including kernels) for the first 4 months of 2022/23 MY (September-December 2022) reached 190.8 thsd tonnes. According to the Association, according to the historical average data, the export volume of sunflower seeds in January 2023 may reach 40 thsd tonnes. The total export of sunflower seeds from September 2022 to January 2023 will reach at least 231 thsd tonnes. By comparison, the total export volume in 2021/22 was 223.7 thsd tonnes

The stocks of sunflower seed (food), including imported from Russia, were at 760 thsd tonnes on the domestic market of Kazakhstan at the beginning of January 2023.

At present, the introduction of an export duty on sunflower seeds is being considered in Kazakhstan. The export duty of 20%, but not less than 100 EUR/t, was planned to be introduced from the beginning of 2023.

### **Production of Agricultural Commodities in Indonesia Exceeds Target**

Minister of Agriculture Syahrul Yasin Limpo stated that the production of agricultural commodities, such as rice, corn, soybean, and shallot, exceeded the 2022 target. Rice production reached 55.44 million tons, or exceeded 101.62 percent from the target of 54.56 million tons. Corn reaches 25.18 million tons, or exceeded 109 percent of the target of 23.10 million tons; soybean reaches 0.30 million tons, or 107.14 percent of the target of 0.28 million tons; and shallot production reaches 1.72 million tons, or 104.88 percent from the target of 1.64 million tons.

Moreover, chili production reached 2.73 million tons, sugarcane production reached 34.99 million tons, coffee production reached 0.79 million tons, beef (buffalo meat) production reached 0.39 million tons, lamb meat reached 0.09 million tons, purebred chicken meat reached 3.77 million tons, and chicken egg production reached 6.32 million tons

### Iran ranks among the world's major producers of agricultural products

According to the data released by the Food and Agriculture Organization of the United Nations (FAO), Iran will become one of the world's major producers of agricultural products in 2021, the world's second largest pistachio producer and the world's third largest producer of dates, honey and walnuts. Iran's pistachio output will reach 135000 tons in 2021, second only to the 523000 tons of the United States. The country's annual output of dates, honey and walnuts is 1.3 million tons, 77000 tons and 386000 tons respectively. In addition, the output of peaches, kiwi, almonds, eggplants, oranges, peas and spinach also rank among the top in the world.



### The Republic of Briat has shipped the first batch of pine nuts in 2023 to China



A message from the Bureau of Animal and Plant Health of the Russian Federation, released the Republic of Briat had shipped the first batch of pine nuts this year to China in early January, with a total weight of 146 tons. The average annual export volume of pine nuts in the Republic of Briat is about 15000 tons. In 2002, the Republic exported more than 9500 tons to China.

Russia is the world's largest pine nut exporter. About 80% of the harvested pine nuts are exported to foreign countries, and the remaining 20% can fully meet the domestic market demand in Russia.

### **NUTRITION AND HEALTH**





ating walnuts on a regular basis can provide numerous health benefits, such as improved brain function, increased intelligence, enhanced disease resistance, and reduced fatigue. These five advantages can be yours if you make walnuts a part of your daily diet. Let's take a closer look at the advantages of consuming walnuts daily.

Eating walnuts often slowly gains 5 benefits

### **I.Assists in reducing blood pressure**

Previous studies have demonstrated that consuming walnuts can effectively lower blood pressure and positively affect cholesterol levels. As a result, we can maintain healthy blood pressure by eating walnuts and safeguarding the health of the heart, brain, and blood vessels.

### II.Assists in safeguarding the heart and blood vessels

Walnuts are packed with a range of beneficial unsaturated

fatty acids, which can raise the level of high-density lipoprotein cholesterol in the body, as well as lower low-density lipoprotein cholesterol (bad cholesterol), thus helping to keep the blood vessels functioning properly and reducing the risk of cardiovascular diseases.

# III.Assists in hydrating the intestines and alleviating constipation.

Walnuts are packed with fat, which can help to lubricate the intestines and alleviate constipation, as well as make stools softer. The fiber in walnuts can also stimulate the gastrointestinal tract and improve constipation caused by dryness.

### Iv.Assists in decreasing the likelihood of developing diabetes

Generally, unsaturated fats found in nuts can help break down insulin. Women who consume nuts five times a week can reduce their risk of type 2 diabetes by 30%.

### V.Assists in avoiding Alzheimer's disease

Studies have demonstrated that walnuts can help inhibit the effects of oxidative stress on the brain and improve cognitive functioning. Walnuts are rich in  $\alpha$ -linolenic acid and vitamin E, which act as antioxidants to eliminate free radicals. Additionally, walnuts are packed with lecithin and minerals that are beneficial to brain health, and may even help to prevent Alzheimer's disease, which is caused by inflammation and oxidative stress. I.Hazelnut is rich in monounsaturated fatty acids and polyunsaturated fatty acids (82,8% oleic acid and 8.9% linolenic acid), which can reduce the risk of coronary heart disease. In addition, a diet with a high content of unsaturated fatty acids (contained in hazelnut oil) can prevent coronary heart disease, lower blood pressure, lower cholesterol, and reduce or increase the density of lipoprotein (low density lipoprotein) and triglyceride. II.Hazelnut itself is rich in oil (mostly unsaturated fatty acids) and its content reaches 60.5%, which makes the fat-soluble vitamins contained more easily absorbed by the human body, and has a very good nourishing effect on the weak, weak and hungry people.

III. The content of magnesium, calcium, potassium and other trace elements in hazelnut is very high, and long-term use can help to adjust blood pressure.

Iv.Hazelnut contains  $\beta$ — Sitosterol (sterol), a natural phytosterol, has an important physiological activity on the human body, which can inhibit the absorption of cholesterol, promote the degradation and metabolism of cholesterol, and inhibit the biochemical synthesis of cholesterol.

V.The natural phytosterol contained in hazelnut has mild permeability to the skin, can maintain moisture on the skin surface, promote skin metabolism, inhibit skin inflammation, aging, prevent sunburn, and has an effect on the hair growth and hair maintenance.

Vi.The natural phytosterol contained in hazelnut have good antioxidant properties and can be used as food antioxidants and nutritional additives. Vii.Hazelnut can effectively delay aging, prevent vascular sclerosis and moisturize skin. Eating 25-30 grams of hazelnut every day is enough to meet the daily need of vitamin E.





# These three foods have a calcium content that is more than 8 times that of milk

MAKING THEM AN IDEAL CHOICE FOR MIDDLE-AGED AND ELDERLY PEOPLE WHO WANT TO KEEP THEIR LEGS AND FEET STRONG AND ENERGETIC







### **I.Black sesame**

Black sesame is packed with beneficial nutrients like amino acids, lecithin, vitamin E, iron, chromium, and a whopping 800 mg of calcium per hundred grams. It can be cooked in a variety of ways, like frying, grinding into a powder, or soaking in water, and can be added to pasta to enhance both flavor and nutrition.

### **II.HazeInut**

Hazelnut is not only tasty, but also a great source of calcium, containing 815 mg per 100g. It is also packed with unsaturated fatty acids, B vitamins, E vitamins, iron, zinc, potassium and other nutrients. Eating a few each day can satisfy your hunger and provide nourishment. Furthermore, hazelnuts can be used to make snacks in addition to being eaten as is.

### **III.Shrimp Skin**

Discussing the king of high calcium, shrimp skin should not be overlooked. Each 100g contains up to 991 mg, making it a "calcium bank". Furthermore, shrimp skin is also abundant in protein, vitamin A, potassium, iodine, magnesium, and other trace elements. It is available in the form of dry goods, which makes it easy to store. Keeping some at home is a great idea, as it can be added to soups, stir-fries, and stuffing to enhance flavor and nutrition.



# SUN FLOWER SEEDS

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净含量: 90 克



# Happy time with Bailian

Fujian Bailian Industry Co., Ltd. was founded in 1980s and experienced a high speed growth in 1990s. High holding the philosophy of quality, honesty, efficiency and stability, the company has grown from a trading company into a industrial and trading enterprise that engages in food development, production, sales, real estate investment and high-end property management.

Speaking of food, we specialize in producing leisure food of nuts and roasted seeds, conserved fruit, meat products, etc. With a variety of selection, distinctive favor and high quality, our products receive great welcome from customers. "Bailian melon seeds", as our main product, enjoys good reputation and market share within and beyond Fujian province.

In recent years, our company has been expanding in the northern agricultural park. The move would change the managerial pattern of the company by raw material processing to raw material production. At the same time, following the strategy of "strengthening the primary business and developing appropriately in multi industries", our Company entered the fields of real estate, property, finance,etc. Bailian Group of industry layout will gradually appear.

Our Company will continue to adhere to the business concepts of "people-oriented and keep improving" to enhance communication with all ranks of society to achieve sincere cooperation and mutual development.





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MULTIPLE FLAVORS YOU MAY NOT KNOW THE TONGUE WILL FALL IN LOVE



Shandong Shatu Food Industry Co., Ltd. was founded on August 8, 1988. It is a joint-stock private enterprise. It is a specialized enterprise that produces, processes and sells roasted food. The company is located in Hezecity, Shandong Province, the beautiful hometown of peony. The head office covers an area of more than 300 mu, with fixed assets of more than 100 million yuan and total assets of 1 Billion yuan.

To Meet Shuatu Food and never forget when you are eating it. Sandy soil food will go adhere to the idea of doing well in products and services, never forget to start its mission to climb to the top level on quality.



# **STIR FRIED NUTS**

Manufacturer: Shandong Shatu Food Industry Co., Ltd Address: Jiamei Road, Shatu Town, Mudan District, Heze City, China Tel: 0530-5771168 Fax: 0530-5776118 Website: www.shatufood.com





NANKO 迈 犇

### **Herbaceous application leader**

# Nut antioxidant Antioxidation of muts Only Nanko

The nut antioxidant contains a variety of plant antioxidant components, its features include scientific combination, synergistic effect, strong antioxidant effect, stable structure, and high temperature resistance. It can effectively inhibit the oxidation of oil and fat in nuts and the deterioration of taste. It has the effect of improving the quality of nuts and extending the shelf life of nuts. The correct use of nut antioxidant can not only prolong the shelf life of nuts, bring good economic benefits to producers, but also bring betterfood safety to consumers.



Technical support? New Technology Research Office of fruit and vegetable processing, China Agricultural University School of food, Nanchang University

In 2020, the national roasted seeds and nuts enterprises provided high-quality services (member enterprises)



Yantai Maoyuan Food Machinery ManufacturingCo., Ltd. established in 1995, is a professional food machinery manufacturer, we are specilized in the machinery of peanut, other nuts, roasted seed.



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Micro-pressure cooker To save energy, Steam can be centrally treated, PLC integrated control, Suitable for cooking sunflower seeds. Natural gas three-layer dryer (heat source optional:heat conducting oil, steam) Apply for:sunflower seeds, large and medium-sized watermelon seeds, red slices, pistachios, cashews, almonds, walnuts andother nuts drying 24H capacity:10T, 15T, 20T, 25T Advantages:environmental protection, low energy consumption, automation, simple operation





The company web site: www.hfkesai.com www.kesaijixie.cn The phone: 13956003685 Telephone and fax: 0551-63523130 68891687 COMPANY: HEFEI THE PROSPEROUS NUTS MACHINERY MANUFACTURING CO.,LTD Address: nanfang road, shangpai area, feixi jingkai district, hefei city, anhui province



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中国食品工业协会坚果炒货专业委员会常务理事单位

Executive director unit of the Specialized Committee for Nuts and Roasted Seeds of China National Food Industry Association







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