Nut Facts: A-L

Nut	Growth (Where)	Growth (How)	Harvest
Almonds	Almonds grow best in climates with warm, dry summers and mild, wet winters. They are extremely sensitive to frost.	Almonds are grown on trees. Almond trees need consistent irrigation, especially during the growing season. Almonds require cross-pollination from bees. Beehives are often brought into almond orchards to facilitate pollination.	Almonds are typically harvested in the late summer or early fall. Mechanical shakers are used to shake the nuts from the trees. Sweepers collect the almonds into rows for collection.
Brazil Nuts	Brazil nuts grow best in the Amazon rainforest in South America. The trees require the specific conditions of the rainforest, including a hot and humid climate, well-drained soil, and consistent rainfall.	Brazil nuts are grown on trees. The trees produce small, bell-shaped flowers that are pollinated by orchid bees, other insects, and wind. The flowers develop into large, spherical fruits that contain 12-24 nuts encased in hard, woody shells.	Brazil nuts grow in a pod weighing up to 5 pounds and drop from 160-foot (18-story) high trees at a rate of 50 miles per hour. This makes harvesting dangerous. Harvesters gather these fruits from the forest floor.
Cashews	Cashews grow best in tropical climates with high temperatures, a distinct dry season, and sandy soil is best for growing cashews.	Cashew nuts are grown on trees. They form out of the swollen end of the tree's stem known as the cashew apple. The cashew apple contains a single cashew nut at its bottom.	Cashews are ready to harvest when the cashew apple takes on a pink or red cast and the nut turns gray. The nut is harvested by being twisted off the cashew apple by hand.
Chestnuts	Chestnuts grow best in regions with a temperate climate with cool to cold winters, warm to hot summers, and well-drained soil.	Chestnuts are grown on trees. Chestnut trees are either male or female. The male trees produce pollen, which is carried by wind or insects to female flowers. The flowers develop into spiky burs or capsules that contain 2-3 chestnuts.	Chestnuts are ready to harvest after they drop to the ground and are released from their enclosed bur. Harvesting machines sweep and/or vacuum chestnuts from the ground.
Hazelnuts	Hazelnuts grow best in regions with a temperate climate with cool winters, well-drained soil, and moderate rainfall.	Hazelnuts are grown on trees or bushy shrubs. Hazelnut trees typically require cross-pollination. Two different varieties are required for successful nut production. Bees play a crucial role in this process.	Hazelnuts are ripe when the nut inside the husk turns brown. After hazelnuts drop, they are mechanically harvested by blowing them into windrows and using vacuums or sweepers to pick them up. The nuts are shaken or slapped off the branches and collected into bins.

From Farm to You

Geography	Transport & Processing	Distributor	Store	
California is the only state that commercially produces almonds. The United States is the world's largest almond producer, producing 80% of the world's almonds.	Almonds have a protective outer hull, which removed during processing. The almonds are dried, sometimes pasteurized, and sorted for Once processed, almonds are packaged and transported to markets worldwide.	e then		
Brazil nuts are not grown in the United States. Bolivia is the world's top producer. While there are some plantations, most Brazil nuts are harvested from the wild.	To access the edible Brazil nuts, the hard she cracked open, usually with large hammers or devices. After extraction, the nuts are cleane packaged for distribution.	· mechanical		
Vietnam and India are the world's leading producers of cashews. There is no commercial production in the United States.	The cashew nuts are dried and processed to remaining shell pieces, sorted by size and que for distribution.		Raw and processed products are sold in bulk quantities to a buyer who	Retail product is sold to consumers.
Chestnuts are grown in Michigan, Florida, California, Oregon, and Virginia. The United States grows less than 1% of the world's chestnuts. South Korea and China are the world's leading producers of chestnuts.	Chestnuts are separated from the burs. Sominner skin, which can be removed through ble The chestnuts are dried in the sun or through methods to reduce their moisture content. Considering in a cool, dry environment to maintain their femold or spoilage before being packaged and	anching or boiling. h artificial drying Chestnuts are stored freshness and prevent	will distribute it to a retail store.	
99% of U.S. hazelnuts are produced in Oregon, representing 3-5% of the world's crop. Turkey is the world's leading hazelnut producer.	Hazelnuts are removed from their husks eith or with the help of machinery. Once husked, dried to reduce moisture content. Dried haze stored in a cool, dry environment to maintain before being packaged for distribution.	, the nuts are elnuts are		

Products Made from Nuts

Products Nutrition

Almonds are consumed as snacks and in goods such as cereal and granola bars. Almonds can be made into flour, milk, butter, paste, or oil.





Almonds are cholesterol-free, sodium-free, and low in saturated fat. They are rich in unsaturated fats and phytonutrients and a good source of fiber.

Brazil nuts are typically eaten raw, blanched, or roasted and can be chopped over salads, cereal, porridge, or desserts. But don't eat too many! Brazil nuts contain selenium and eating too many (11-12 nuts) can lead to poisoning.





Brazil nuts are sodium-free, sugar-free, and cholesterol-free. They are an excellent source of heart-healthy fats and nutrients like selenium (beneficial in moderation).

Cashews are eaten raw or roasted and can be incorporated in stir-fries, soups, salads, and stews. Cashews are also used to make cashew butter and cheese.





Cashews are cholesterol-free and sodium-free. They are a good source of antioxidants, fiber, amino acids, monounsaturated fatty acids, and phenols.

Chestnuts are eaten roasted, boiled, or glazed and mixed in stuffing and other dishes. Some varieties of chestnuts should not be eaten raw because their tannic acid content could cause gastrointestinal distress.







Chestnuts are low in fat and high in vitamin C. They are a good source of antioxidants, fiber, amino acids, monounsaturated fatty acids, and phenols.

Hazelnuts are used in candies or ground into flour for cakes, cookies, and breads.





Hazelnuts are cholesterol-free, sodium-free, and low in carbohydrates. They contain monounsaturated fat, which may help to lower LDL cholesterol.

Nut Facts: M-Z

Nut	Growth (Where)	Growth (How)	Harvest
Macadamia Nuts	Macadamia nuts grow best in regions with a warm, subtropical climate with well-drained soil, ample sunlight, and consistent rainfall.	Macadamia nuts are grown on trees. When pollinated, small, fragrant flowers mature into nuts inside a hard shell. As the nuts ripen, the outer husk falls away, revealing the tough shell that protects the nut.	Macadamia nuts are ready to harvest when the nut shells split open and reveal the kernel inside. They are harvested manually or with mechanical sweepers and pickup devices.
Peanuts	Peanuts grow best in warm climates with well-drained sandy soil. They require a frost-free growing season with temperatures between 70-90°F (21-32°C).	Peanut plants flower above ground and fruit below ground. The flowers are self-pollinating, meaning they can fertilize themselves without the need for external pollinators. Botanically, they are legumes.	Peanuts are harvested by diggers that pull up the plant, shake off the excess soil, rotate it so the peanuts are up, and lay it back down in a windrow to dry for 2-3 days. A combine separates the peanuts from the vines.
Pecans	Pecans thrive in regions with a combination of warm temperatures and well-drained soil.	Pecans grow on trees. The trees produce catkins, which contain male flowers that release pollen. The wind or insects pollinate female flowers which develop into nut clusters. These clusters mature into pecans.	When pecans are ready to harvest, the outer husk splits open revealing the mature nut inside. Pecans are harvested by shaking the trees with mechanical shakers. A harvester collects the pecans from the ground.
Pine Nuts	Pine nuts grow best in a climate with warm summers and mild winters with well-drained soil.	Pine nuts grow on specific varieties of pine trees inside a pinecone. Each cone contains numerous pine nuts. As the pinecones mature, they change from green to brown and open up, exposing the pine nuts.	Pine nuts are mostly harvested by hand. They can most easily be extracted from cones that have naturally opened. Pine nuts are extracted by shaking, tapping, or smashing the cone to and then separating the nuts from the cone.
Pistachios	Pistachios grow best in arid climates with hot summers, cool, wet winters, and well-drained soil.	Pistachios grow on trees. The male trees produce pollen, which is carried by the wind to fertilize the flowers on female trees. Pistachio trees require consistent watering and regular pruning to optimize nut production.	Pistachios mature in late summer to early fall. They are ready to harvest when the shells split open. Pistachios are harvested by shaking the tree with a mechanical harvesting machine. The pistachios fall into a catching frame.
Walnuts	Walnuts grow best in temperate climates with moderate to cool temperatures and a distinct winter chill for dormancy.	Walnuts are grown on trees. The female trees produce flowers that develop into walnut fruits after being pollinated by the pollen of a male tree. The green husk surrounding the fruit turns brown when ripe.	Walnuts are typically harvested in late summer to early fall, when the husks have turned brown, and the nuts inside have fully matured. They are harvested by mechanical shakers and harvesters that pick them up.

From Farm to You

Geography	Transport & Processing	Distributor	Store	
South Africa is the world's largest producer of macadamia nuts. Most U.S. commercially produced macadamia nuts are grown in Hawaii.	Macadamia nuts are husked and dried to rec moisture content. They are mechanically cra extract the hard shell. The kernels are sorted cleaned before being packaged for distribut	acked to d and		
The U.S. grows about 5% of the world's peanuts. Georgia produces the most followed by Florida, Alabama, Texas, and North Carolina. China is the world's largest peanut producer.	Peanuts are cleaned to remove any remaining Processing involves shelling, blanching, roas to produce various products.			
Pecans are grown in 15 states with Georgia, New Mexico, and Texas being the top-producing states. The United States is the world's largest pecan producer.	Pecans are removed from their outer husks. to reduce moisture content and stored in a cenvironment to maintain their quality before distributed.	cool, dry	Raw and processed	Retail product is sold to consumers.
China, Russia, Pakistan, and Afghanistan are the largest producers of pine nuts. In the United States, pine nut production has drastically decreased in part due to their difficulty to harvest.	Pine nuts are removed from a second shell a remove any remaining debris or cone scales dried to reduce their moisture content and pine nuts are stored in a cool, dry environment freshness and quality before they are package.	s. They are typically prevent spoilage. ent to maintain their	products are sold in bulk quantities to a buyer who will distribute it to a retail store.	solu to consumers.
Iran and the United States are the world's leading pistachio producers. In the United States, California produces about 99% of the pistachios grown.	Pistachios are hulled to remove the outer sh dried through mechanical or natural air dryin their moisture content and extend their she pistachios may be roasted or processed with before packing and distribution.	ng to reduce elf life. Some		
Almost all U.S. walnuts are grown in California. The United States ranks second in walnut production behind China.	The husks are removed from the walnuts me by hand. The walnuts are dried to reduce the content and prevent mold and spoilage. The in a cool, dry environment to maintain their prevent rancidity before they are packaged distributed.	neir moisture ey are stored freshness and		

Products Made from Nuts

Products Nutrition

Macadamia nuts are used for candies, ground into flour for cakes, cookies, and bread, made into butter, and used in salads and stir-fries. Macadamia nut oil is used in cooking and as a salad dressing.

Macadamia nuts are cholesterol-free, sodium-free, and low in carbohydrates. They contain monounsaturated fat, which may help lower LDL cholesterol.

Peanuts are cholesterol-free and low in sodium. They are an

excellent source of monounsaturated fatty acids, which may

help to lower cholesterol levels. They are also an excellent source of manganese and niacin and a good source of folate.

thiamin, and vitamin E.

Peanuts can be eaten raw, roasted, or salted. They are also consumed as peanut butter, peanut oil, boiled peanuts, peanut sauce, candies peanuts, or peanut flour.







Pecans are eaten as appetizers and as additions to salads, cakes, candies, pies, and cookies.







Pecans are cholesterol-free, sodium-free, and a good source of fiber. They are low in carbohydrates and a good source of monounsaturated fat and protein.

Pine nuts are eaten raw, roasted, used to make pesto, or as an ingredient in breads, cookies, cakes, sauces, and meat, fish, and vegetable dishes.



Pine nuts are cholesterol-free and sodium-free. They are a good source of heart-healthy fats, vitamins, and minerals.

Pistachios are sold shelled, unshelled, salted, or roasted. They are also used as ingredients in candies, baked goods, ice cream, and flavorings.





Pistachios are cholesterol-free, sodium-free, and a good source of fiber. They are an excellent source of vitamins, minerals, and phytonutrients. The green and yellow color of the nut comes from carotenoids (lutein and zeaxanthin) and the purple skin surrounding the nut contains antioxidants called anthocyanins.

Walnuts are sold as a snack item or for use in candies and ice cream. Products include walnut oil, walnut butter, and baked goods. Walnuts are a popular ingredient in salads, cereals, and granola.

