

# Which Seed Is This

## Seed

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In botany, a seed is a plant structure containing an embryo and stored nutrients in a protective coat called a testa. More generally, the term "seed" means anything that can be sown, which may include seed and husk or tuber. Seeds are the product of the ripened ovule, after the embryo sac is fertilized by sperm from pollen, forming a zygote. The embryo within a seed develops from the zygote and grows within the mother plant to a certain size before growth is halted.

The formation of the seed is the defining part of the process of reproduction in seed plants (spermatophytes). Other plants such as ferns, mosses and liverworts, do not have seeds and use water-dependent means to propagate themselves. Seed plants now dominate biological niches on land, from forests to grasslands both in hot and cold climates.

In the flowering plants, the ovary ripens into a fruit which contains the seed and serves to disseminate it. Many structures commonly referred to as "seeds" are actually dry fruits. Sunflower seeds are sometimes sold commercially while still enclosed within the hard wall of the fruit, which must be split open to reach the seed. Different groups of plants have other modifications, the so-called stone fruits (such as the peach) have a hardened fruit layer (the endocarp) fused to and surrounding the actual seed. Nuts are the one-seeded, hard-shelled fruit of some plants with an indehiscent seed, such as an acorn or hazelnut.

## Chia seed

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Chia seeds ( CHEE-ah) are the edible seeds of Salvia hispanica, a flowering plant in the mint family (Lamiaceae) native to central and southern Mexico, or of the related Salvia columbariae, Salvia polystachia, or Salvia tiliifolia. Chia seeds are oval and gray with black and white spots, and have a diameter of around 2 millimetres (0.08 in). The seeds are hygroscopic, absorbing up to 12 times their weight in liquid when soaked and developing a mucilaginous coating that gives chia-based foods and beverages a distinctive gel texture.

There is evidence that the crop was widely cultivated by the Aztecs in pre-Columbian times and was a staple food for Mesoamerican cultures. Chia seeds are cultivated on a small scale in their ancestral homeland of central Mexico and Guatemala and commercially throughout Central and South America.

## Mobile Suit Gundam SEED

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Mobile Suit Gundam SEED (Japanese: ????????SEED(???), Hepburn: Kidō Senshi Gandamu Shōdo) is an anime series developed by Sunrise and directed by Mitsuo Fukuda. The ninth installment in the Gundam franchise, Gundam SEED takes place in a future calendar era, in this case the Cosmic Era. In this era, mankind has developed into two subspecies: Naturals, who reside on Earth, and Coordinators, genetically enhanced humans capable of amazing feats of intellect who emigrate to man-made orbital colonies to escape persecution by natural humans. The story revolves around a young Coordinator Kira Yamato who becomes involved in the war between the two races after a third, neutral faction's

space colony is invaded by the Coordinators.

The television series was broadcast in Japan between 2002 and 2003, on the Tokyo Broadcasting System Television and MBS TV networks, beginning a broadcast partnership with the Gundam franchise. The series spawned three compilation films and was adapted into a manga as well as light novels. A sequel series, *Mobile Suit Gundam SEED Destiny* followed in 2004 and a followup film, *Mobile Suit Gundam SEED Freedom* was released in 2024. Merchandise has been released, including models, CD soundtracks and video games. *Gundam SEED* was licensed by Bandai Entertainment for broadcast in North America, and began airing in the United States and Canada in 2004. The films and the sequel were also licensed by Bandai. The manga and light novels as well as the spin-off series, *Mobile Suit Gundam SEED Astray*, were licensed. Video games were released in North America. In 2011, a HD remaster of the series consisting of 48 episodes was released.

*Mobile Suit Gundam SEED* was widely popular with the public in Japan, winning numerous awards, with high sales of the series DVD and music. It was also a critical success with writers focusing on the character development and animation especially the leads. However, similarities with previous Gundam series were noted.

### Pumpkin seed

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A pumpkin seed, also known as a pepita (from the Mexican Spanish: pepita de calabaza, 'little seed of squash'), is the edible seed of a pumpkin or certain other cultivars of squash. The seeds are typically flat and oval with two axes of symmetry, have a white outer husk, and are light green after the husk is removed. Some pumpkin cultivars are huskless and are grown only for their edible seed. The seeds are nutrient- and calorie-rich, with an especially high content of fat (particularly linoleic acid and oleic acid), protein, dietary fiber, and numerous micronutrients. Pumpkin seed can refer either to the hulled kernel or unhulled whole seed, and most commonly refers to the roasted end product used as a snack.

### SEED

*SEED is a block cipher developed by the Korea Information Security Agency (KISA). It is used broadly throughout South Korean industry, but seldom found*

SEED is a block cipher developed by the Korea Information Security Agency (KISA). It is used broadly throughout South Korean industry, but seldom found elsewhere. It gained popularity in Korea because 40-bit encryption was not considered strong enough, so the Korea Information Security Agency developed its own standard. However, this decision has historically limited the competition of web browsers in Korea, as no major SSL libraries or web browsers supported the SEED algorithm, requiring users to use an ActiveX control in Internet Explorer for secure web sites.

On April 1, 2015 the Ministry of Science, ICT and Future Planning (MSIP) announced its plan to remove the ActiveX dependency from at least 90 percent of the country's top 100 websites by 2017. Instead, HTML5-based technologies will be employed as they operate on many platforms, including mobile devices. Starting with the private sector, the ministry plans to expand this further to ultimately remove this dependency from public websites as well.

### Seed drill

*tractor. This ensures that seeds will be distributed evenly. The seed drill sows the seeds at the proper seeding rate and depth, ensuring that the seeds are*

A seed drill is a device used in agriculture that sows seeds for crops by positioning them in the soil and burying them to a specific depth while being dragged by a tractor. This ensures that seeds will be distributed evenly.

The seed drill sows the seeds at the proper seeding rate and depth, ensuring that the seeds are covered by soil. This saves them from being eaten by birds and animals, or being dried up due to exposure to the sun. With seed drill machines, seeds are distributed in rows; this allows plants to get sufficient sunlight and nutrients from the soil.

Before the introduction of the seed drill, most seeds were planted by hand broadcasting, an imprecise and wasteful process with a poor distribution of seeds and low productivity. The use of a seed drill can improve the ratio of crop yield (seeds harvested per seed planted) by as much as eight times while also saving time and labor.

Some machines for metering out seeds for planting are called planters. The concepts evolved from ancient Chinese practice and later evolved into mechanisms that pick up seeds from a bin and deposit them down a tube.

Seed drills of earlier centuries included single-tube seed drills in Sumer and multi-tube seed drills in China, and later a seed drill in 1701 by Jethro Tull that was influential in the growth of farming technology in recent centuries. Even for a century after Tull, hand-sowing of grain remained common.

## Svalbard Global Seed Vault

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The Svalbard Global Seed Vault (Norwegian: Svalbard globale frøhvelv) is a secure backup facility for the world's crop diversity on the Norwegian island of Spitsbergen in the remote Arctic Svalbard archipelago. The Seed Vault provides long-term storage for duplicates of seeds from around the world, conserved in gene banks. This provides security of the world's food supply against the loss of seeds in genebanks due to mismanagement, accident, equipment failures, funding cuts, war, sabotage, disease, and natural disasters. The Seed Vault is managed under terms spelled out in a tripartite agreement among the Norwegian government, the Crop Trust, and the Nordic Genetic Resource Center (NordGen).

The Norwegian government entirely funded the Seed Vault's approximately 45 million kr (US\$8.8 million in 2008) construction cost. Norway and the Crop Trust pay for operational costs. Storing seeds in the vault is free to depositors.

As of June 2025, the Seed Vault conserves 1,355,591 accessions, representing more than 13,000 years of agricultural history.

## Seed money

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Seed money, also known as seed funding or seed capital, is a form of securities offering in which an investor puts capital in a startup company in exchange for an equity stake or convertible note stake in the company. The term seed suggests that this is a very early investment, meant to support the business until it can generate cash of its own (see cash flow), or until it is ready for further investments. Seed money options include friends and family funding, seed venture capital funds, angel funding, and crowdfunding.

## Sprouting

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Sprouting is the natural process by which seeds or spores germinate and put out shoots, and already established plants produce new leaves or buds, or other structures experience further growth.

In the field of nutrition, the term signifies the practice of germinating seeds (for example, mung beans or sunflower seeds) to be eaten raw or cooked, which is considered more nutritious.

Mustard seed

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Mustard seeds are the small round seeds of various mustard plants. The seeds are usually about 1 to 2 millimetres (1⁄32 to 3⁄32 in) in diameter and may be colored from yellowish white to black. They are an important spice in many regional foods and may come from one of three different plants: black mustard (*Brassica nigra*), brown mustard (*B. juncea*), or white mustard (*Sinapis alba*).

Grinding and mixing the seeds with water, vinegar or other liquids creates the yellow condiment known as mustard.

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