

Egg shortage: A nutritionist on the best egg alternatives

December 1 2022, by Hazel Flight



Credit: AI-generated image ([disclaimer](#))

Eggs are currently in short supply, with shops and supermarkets limiting their sales. The main cause of this shortage has been blamed on the avian (bird) flu which has [risen to a record number of cases](#). However, egg producers are also reporting that the egg shortage is due to the unprecedented level of [inflation and spiraling costs](#) driven by [global](#)

[events](#).

Those following a vegan lifestyle and people who follow some religions, such as Hinduism and Jainism [do not eat eggs](#) as they are not viewed as strictly vegetarian. So there are already plenty of egg alternatives out there.

When it comes to egg replacements, there does need to be some consideration as to whether the substitute has the [same moisture, protein and fats](#) as an egg. It also needs to be able to support the other ingredients without overpowering them to maintain the taste. So what are the options?

Pureed fruit

As [eggs](#) are key in providing structure, leavening, richness, color and flavor to baked products they are central to most recipes. But pureed fruits can be particularly good substitutes in baking cakes, muffins, brownies and quick breads.

Fruits such as unsweetened apple sauce, banana, pumpkin and avocado are the most popular examples. Though some care needs to be taken if using bananas as they can have a distinct flavor within cooking. Fruits are an excellent source of essential vitamins and minerals as well as being [high in fiber](#). They also include a wide range of [antioxidants](#) which can lower your odds of some diseases.

Flaxseed and Chia seeds

[Flaxseed](#) and [Chia seeds](#) are [highly nutritious](#) egg alternatives—high in omega-3 [fatty acids](#), fiber and other unique plant compounds, including high levels of antioxidants.

Flaxseed comes from the flowering flax plant, which originates from Egypt. Similarly, Chia seeds are the edible seeds of a flowering plant from the mint family. The plant originates from Central and South America. As an ingredient, the seeds are very versatile because they can absorb liquid and form a gel-like substance—making them a perfect egg replacement.

The seeds of both can either be ground at home or bought as a ready-made [seed](#) meal. When mixed with water, the paste can then be used for making pancakes, waffles, muffins, breads and cookies. These seeds may have a slightly nutty flavor when used in recipes.

Tofu

[Tofu](#) is an ideal egg substitute as it's an excellent source of protein, vitamins and minerals including calcium, iron, manganese, zinc, selenium, phosphorous and B vitamins which can protect against illnesses such as heart disease, diabetes and some cancers. It also promotes brain and bone health.

Silken tofu is a relatively flavorless food with a high-water content leading to a softer consistency in baking. While [scrambled tofu](#) is an excellent substitute for those who want to still feel they are eating eggs on their own.

Aquafaba

[Aquafaba](#) is the liquid left over from cooked chickpeas and is an ideal substitute for binding. It can also be whipped into stiff peaks and used to make meringues, macaroons, waffles and mayonnaise.

Although you would only use the liquid for the egg substitute do not

throw the chickpeas away as these are a rich source of protein, vitamins, minerals and fiber.

Final tips

You could also try vinegar and baking soda, when mixed together they create a chemical reaction producing carbon dioxide and water. This added instead of an egg can work especially well in baked goods that are meant to be light and airy such as cakes and quick breads.

Both yogurt and buttermilk are also good substitutes for eggs, but again use plain versions to avoid flavoring your cooking. These work well in muffins and cakes. You could also use chickpea flour and water to create pancakes, quiches and in baking.

As Christmas is fast approaching and festive baking needs to be completed an alternative to those all-important eggs needs to be considered. So don't despair if you can't get your hands on any as there are plenty of options. But you may want to experiment first with the various substitutes to find what works best with your recipes.

This article is republished from [The Conversation](#) under a Creative Commons license. Read the [original article](#).

Provided by The Conversation

Citation: Egg shortage: A nutritionist on the best egg alternatives (2022, December 1) retrieved 10 May 2024 from <https://medicalxpress.com/news/2022-12-egg-shortage-nutritionist-alternatives.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is

provided for information purposes only.