

# Four plant-based foods to eat every week, and why science suggests they're good for you

January 5 2022, by Clare Collins

---



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

As a laureate professor in nutrition and dietetics people often ask—what do you eat?

Plant-based foods are good sources of healthy nutrients. These include different types of dietary fiber, vitamins, minerals, and a range of

"phytonutrients," which plants produce to help them grow or protect them from pathogens and pests.

A [review of research published in May 2021](#) looked at 12 studies with more than 500,000 people who were followed for up to 25 years. It found those who ate the most plant foods were less likely to die from any cause over follow-up time periods that varied across the studies from five to 25 years, compared to those who ate the least.

Here are four versatile and tasty plant foods I have on my weekly grocery list, and the research showing why they're good for you.

## 1. Tomatoes

Tomatoes are a berry fruit (not a vegetable). They're rich in vitamin C and [lycopene](#), which is a carotenoid. Carotenoids are pigments produced by plants and give vegetables their bright colors.

A [review of six trials](#) asked people to consume tomato products equivalent to 1–1.5 large tomatoes or 1–1.5 cups of tomato juice daily for about six weeks.

The researchers found people who did this had reduced [blood](#) levels of triglycerides (a type of fat in your blood that [increases heart disease risk](#)), as well as lower total and "bad" cholesterol levels, compared to those who didn't have any tomatoes.

These people also had increased levels of "good cholesterol."

Another review of 11 studies tested the [effect of tomatoes and lycopene on blood pressure](#).

Researchers found consuming any tomato products led to a large

decrease in [systolic blood pressure](#) (the first number that measures the pressure at which the heart pumps blood).

However, there was no effect on the diastolic pressure (the second number, which is the pressure in the heart when it relaxes).

In the subjects who had [high blood pressure](#) to begin with, both systolic and diastolic blood pressure decreased after eating tomato products compared to placebos.

A [review of studies](#) included a total of 260,000 men and found those with the highest intakes of cooked tomatoes, tomato sauces and tomato-based foods (equivalent to around one cup per week) had a 15 to 20 percent [lower risk](#) of developing prostate cancer compared to those with the lowest tomato intakes. Keep in mind correlation doesn't necessarily mean causation, though.

## Recipe tips

Keep canned tomatoes in the cupboard and add to pasta sauce, casseroles and soup. Make your own sauce by roasting tomatoes and red capsicum with a splash of olive oil and balsamic vinegar, then puree with a spoon of chili paste or herbs of your choice. Keep in the fridge.

Try our fast tomato [recipes at No Money No Time](#), a site full of dietary advice and recipes founded by my team at the University of Newcastle.

## 2. Pumpkin

Pumpkin is rich in beta-carotene, which is also a carotenoid (plant pigment). It gets converted into vitamin A in the body and [is used in the production of antibodies that fight infection](#). It's also needed to maintain

the integrity of cells in eyes, skin, lungs and the gut.

A [review of studies that followed people over time](#) looked at associations between what people ate, blood concentrations of [beta-carotene](#) and health outcomes.

People who had the highest intakes of foods rich in beta-carotene (such as pumpkin, carrots, sweet potato and leafy greens) had an 8–19 percent lower relative risk of having coronary heart disease, stroke, or dying from any cause in studies over 10 years or more compared to those with the lowest intakes.

## Recipe tips

Pumpkin soup is a favorite. Try our [design-your-own](#) soup recipe.

Heat oven to 180 degrees Celsius, chop the pumpkin into wedges, drizzle with olive oil, roast till golden. Speed it up by microwaving cut pumpkin for a couple of minutes before roasting.

## 3. Mushrooms

Mushrooms are rich in nutrients with strong antioxidant properties.

The body's usual processes create [oxidative stress](#), which generates "free radicals." These are [small particles](#) that damage cells walls and cause the cells to die.

If these aren't neutralized by antioxidants, they can trigger inflammation, contribute to aging and development of some cancers.

A [review of 17 studies on mushrooms and health](#) found people who ate

the most mushrooms had a 34 percent lower risk of developing any type of cancer compared to those with lowest intakes. For breast cancer, the risk was 35 percent lower. Though, again, correlation doesn't necessarily mean causation.

Across the studies, a high mushroom intake was equivalent to eating a button mushroom a day (roughly 18 grams).

## Recipe tips

Check out our [mushroom and baby spinach stir-fry recipe](#). It makes a tasty side dish to serve with scrambled or poached eggs on toast.

## 4. Oats

A [review of 10 studies](#) tested the effects on blood sugar and insulin levels from eating intact oat kernels, thick rolled oats or quick rolled oats compared to refined grains.

These found eating intact oat kernels and thick rolled oats led to significant reductions in blood glucose and insulin responses, but not after eating quick rolled oats.

This is likely due to the longer time it takes for your body to digest and absorb the less-processed oats. So it's better to eat whole grain oats, called groats, or rolled oats rather than quick rolled oats.

Oats are a good sources of [beta-glucan](#), a soluble fiber shown to help lower blood cholesterol levels.

Across [58 studies where people were fed a special diet](#) containing about 3.5 grams of oat beta-glucan a day, "bad" cholesterol levels were

significantly lower compared with control groups.

The impact of oats [on blood pressure has been tested in five intervention trials](#) which showed a small, but important, drop in [blood pressure](#).

## Recipe tips

You can eat rolled oats for breakfast year round.

Eat them as [muesli in summer or porridge in winter](#), add to meat patties, mix with breadcrumbs for coatings or add to fruit crumble toppings.

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

Provided by The Conversation

Citation: Four plant-based foods to eat every week, and why science suggests they're good for you (2022, January 5) retrieved 23 May 2024 from <https://medicalxpress.com/news/2022-01-plant-based-foods-week-science-theyre.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.
---