

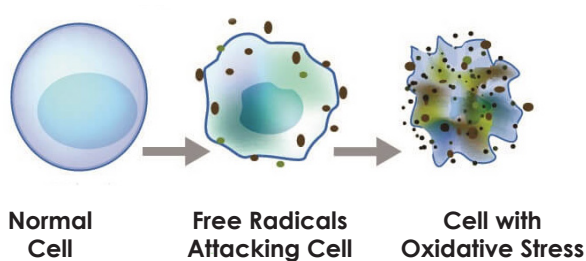
Nature's Best Source of Cardioprotective Antioxidants

Persimmon leaf extract, a traditional Asian medicine, is now clinically proven to support heart health

©2023, Nutraceuticals & Agriceuticals Technology Company, Inc.

Cellular Respiration Powers the Body

Cellular respiration is the process by which human cells convert food into energy. A normal byproduct is free radicals, molecules with one or more unpaired electrons. Environmental elements (sunlight, tobacco smoke, pollution) can also create free radicals.



⚡ Oxidative Stress Can Damage Health ⚡

Free radicals perform useful tasks, but too many can cause oxidative stress that damages DNA, cells and tissues.¹ Oxidative stress is linked to cardiovascular disease, high cholesterol, high blood pressure and chronic inflammation.²

Importance of Antioxidants

Antioxidants can prevent damage from oxidative stress. They give their own electrons, which act as a natural "off" switch, to free radicals.³ While antioxidants are naturally abundant in fruits and vegetables, the concentrations



can vary greatly. Also, some antioxidants known for specific health benefits are found in only certain plants. One of the best sources of numerous antioxidants with a wide range of health benefits is **persimmon leaves**.

Persimonal™: An Antioxidant Powerhouse

Persimonal is an advanced food grade botanical extract of persimmon leaves (*Diospyros kaki Thumb*) that supports cardiovascular health, including cholesterol and blood pressure levels already within the normal range.⁴



It contains one of the highest concentrations of cardioprotective polyphenols⁵ plus other natural compounds that support immune and gut health, brain health and healthy blood sugar levels.^{6,7}

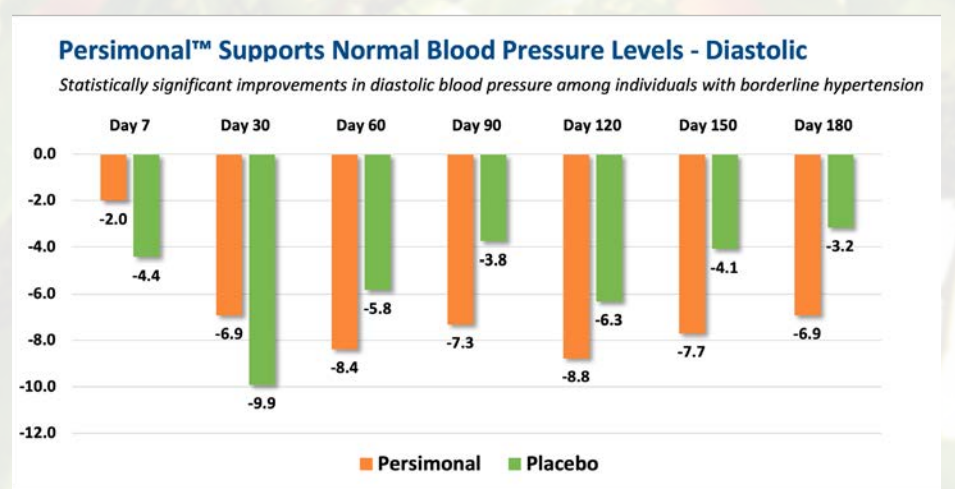
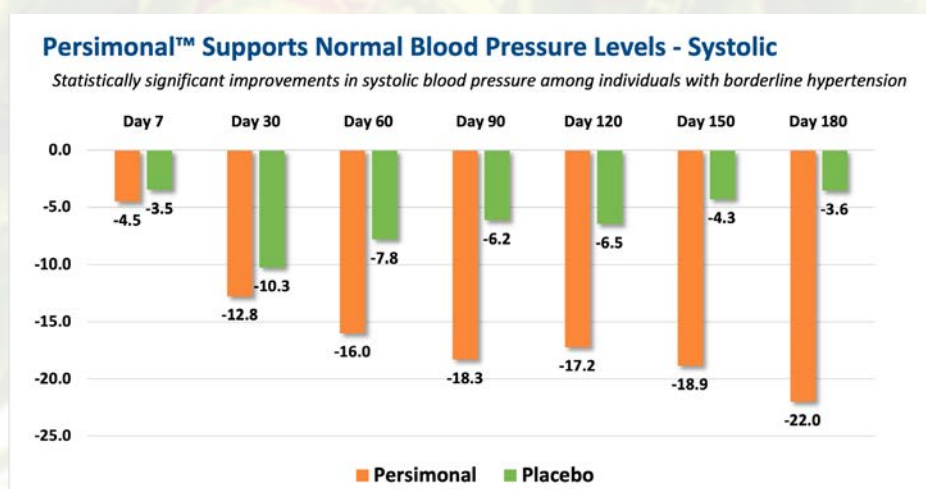


It is no wonder persimmon leaves have been an essential part of traditional medicine in Asia for centuries. Persimonal is sourced from our farms in Guilin, a city in Guangxi Province, China, that is renowned for its persimmons.

- Recommended daily serving: 300 mgs.
- Water soluble and insoluble forms available
- Favorable taste profile

Clinical Research

A large body of research supports the health benefits of persimmon leaves. A new randomized, double-blinded, placebo-controlled clinical study found that Persimonal helped support healthy cholesterol and blood pressure levels of individuals over the six-month study period.⁸



Persimonal Organic Compounds

Health Benefits

Triterpenes Betulinic Acid, Oleanolic Acid, Ursolic Acid, Arbutin	Blood Sugar Management
Organic Acids Succinic Acid, Benzoic Acid, Salicylic Acid, Saccharic Acid, Carophyllin	Gut Health
Coumarin Scopoletin, 6-hydroxy-herniarin	Vascular Health
Sitosterol Stigmasterol, β -sitosterol, lanosterol Brassicasterol	Lipid Management
Flavonoids Rutin, Quercetin, Kämpferide, Isoquercetin, Astragaloside, Hyperoside, Myricitrin	Heart Health Brain Health Weight Management

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Learn More

Persimonal is an ideal functional ingredient for most foods, beverages and supplements. Visit us at www.natcohealthyliving.com



1,2 How does Oxidative Stress Affect the Body? Medical News Today, April 2019.

3 What is Being Oxidized and What is Being Reduced in Cell Respiration? www.sciencing.com, May 2019.

4 Persimmon (*Diospyros kaki*) fruit: Hidden phytochemicals and health claims. EXCLI J. 2015; 14: 542-561.

5 Antitumor and immunomodulatory activities of total flavonoids extract from persimmon leaves in H22 liver tumor-bearing mice. Sci Rep. 2018; 8: 10523.

6,7 Persimmon (*Diospyros kaki*) fruit: Hidden phytochemicals and health claims. EXCLI J. 2015; 14: 542-561.

8 The effects of a persimmon leaf oral supplement (Persimonal®) on cardiovascular health: a randomized, double-blinded, placebo-controlled study. HealthMED - Volume 17 / Number 1 / 2023.