# **ANALYSIS SHOWS U.S. GROWN PISTACHIOS ARE A** "GOOD SOURCE"

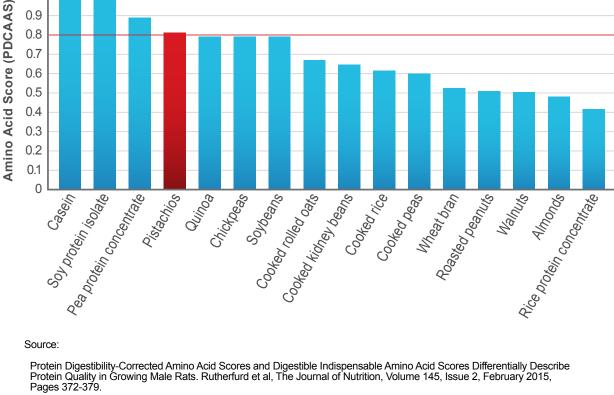
## COMPLETE PROTEIN" FOR THOSE OVER FIVE YEARS OF AGE<sup>1</sup>

Pistachios join quinoa and soy as an alternative for animal proteins.

American pistachios are a "good source" of protein, meeting 10% of the Daily Recommended Values. Roasted American pistachios are also a

"complete protein" for those 5 years and older, according to the U.S. Food and Drug Administration's definition of a "complete protein". American pistachios have joined the ranks of the few plants proteins such as quinoa, chickpeas, and soybeans as a plant protein qualifying as a "complete protein". Protein quality of American pistachios was determined by a Protein Digestibility Corrected Amino Acid Score (PDCAAS) analysis which found

roasted American pistachios contain the 9 essential amino acids in adequate amounts for protein synthesis for those 5 and older. The chart below shows the PDCAAS of several plant based proteins and how they compare to casein. Protein quality of different foods measured by PDCAAS



rotein Digestibility-Corrected

Boye, Joyce & Wijesinha-Bettoni, Ramani & Burlingame, Barbara. (2012). Protein quality evaluation twenty years after the introduction of the protein digestibility corrected amino acid score method. The British journal of nutrition. 108. S183-S211. 10.1017/S0007114512002309. Owusu-Apenten, R.K., Food Protein Analysis: Quantitative Effects On Processing, New York, Marcel Dekker, Inc., 2002. <sup>1</sup> https://americanpistachios.org/complete





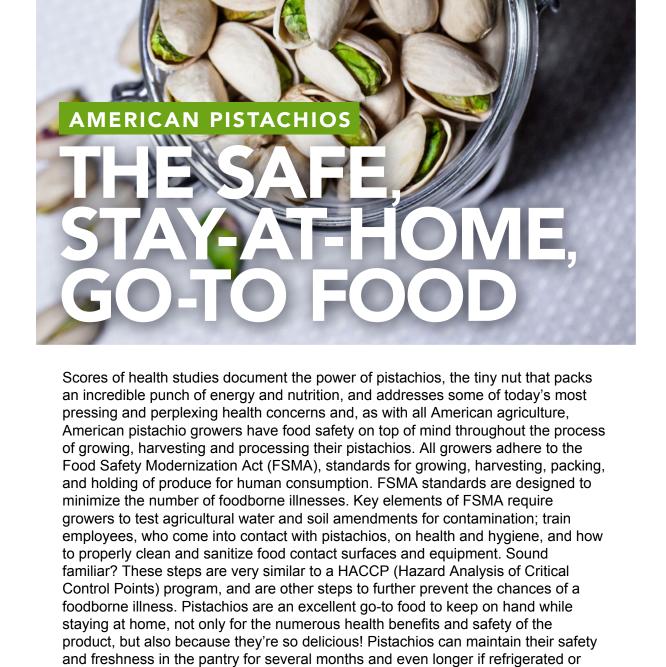
Dietetics, Vegetarian Practice Group. Roasted American pistachios joined soy, quinoa, and buckwheat to be classified as a complete protein source that provides all nine essential amino acids in adequate amounts for people 5 years and older. The terms "complete" and "incomplete," as it pertains to protein, have been used to describe a variety of protein foods, specifically when referring to vegetarian, vegan and plant-based diets. With more people shifting to plant-centric diets, not only can pistachios serve as a versatile protein source as a

chef focused on building a more

sustainable world through plant-based nutrition education. She's collaborated with national brands and institutions to build innovative programs and serves as the Chair for the Academy of Nutrition and

Trends report, they found that at least one member of the household (33 percent) are following a plant-centric diet (vegetarian, vegan, flexitarian).1 Here are the top three questions dietitians hear from consumers about plant protein, and the scientific answers to back it up. Will I be able to get enough protein on a plant-based diet? **CLICK** 

https://www.fmi.org/blog/view/fmi-blog/2019/10/22/how-the-rise-of-flexitarians-is-powering-plant-based-sales



frozen, making it a great addition to your stay at home inventory.

AMERICAN PISTACHIO

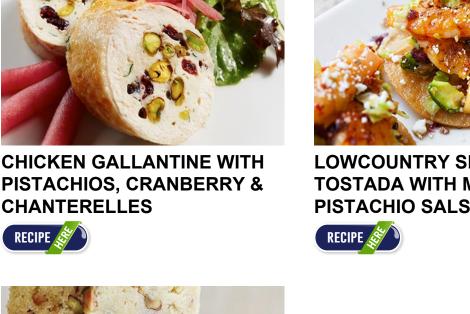
SPRING RECIPES



**PISTACHIO BERRY** 

RECIPE 💸

**GOAT CHEESE SALAD** 





THAI CURRY & PISTACHIOS

**SEA BASS WITH** 

RECIPE &



**BLONDIES WITH SALTED PISTACHIOS & LEMON** RECIPE &

### WORLD IMMUNIZATION WEEK, APRIL 24-30 The World Health Organization has released new guidance to help countries protect

critical immunization services during the COVDI-19 pandemic, so that ground is not lost in the fight against vaccine-preventable diseases. CLICK 餐

National Women's Health Week May 10-16 World No Tobacco Day May 31 Men's Health Month June

World Blood Donor Day June 14 STAY IN TOUCH Tell your story and receive a pound of pistachios! Share your story on how pistachios have improved

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yours or someone else's health and if we use your story in Nutrition Unshelled, we'll send you a pound of pistachios! Email your story and contact information to info@americanpistachios.org



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