THE X-FACTOR INGREDIENT FOR PLANT-BASED EATING

Plant-based eating: **BIGGEST GLOBAL TREND OF THE PAST DECADE**

sanoon

to eating

SUSTAINABILITY AND/OR HEALTH = kev reasons to reduce or eliminate animal products.



>1/3 of Australians are eating less meat, or no meat at all.

Key future growth strategy

Recent Australian research indicates that the food service sector is not tapping into the opportunity¹.

A lack of variety of plant-based options is a key frustration for clientele when eating out.



What is a PLANT-BASED DIET?

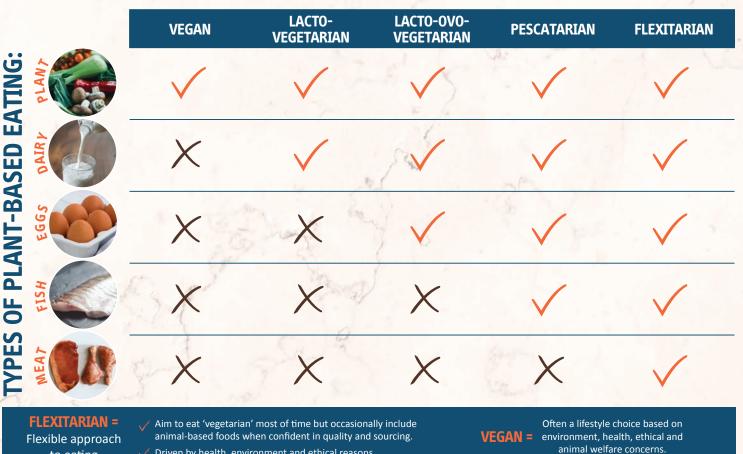
'Plant-based' diet is either mostly or entirely comprised of plant foods, with limited to no animal-derived products.

DID YOU KNOW?

Some people choose to reduce meat intake and not label their dietary choice, while others consider themselves vegan, vegetarian, flexitarian or plant-based. All identify as following a plant-based diet.

Research shows Australians enjoy eating meat but want to eat less and enjoy more plants.1

Most popular plant-based approaches include some meat. Vegan and vegetarians make up less than 10% of population.²



Driven by health, environment and ethical reasons.

A DELICIOUS MEAT SUBSTITUTE

The X- Jactor INGREDIENT

Unique umami taste and texture = delicious meaty flavour



Contributes moisture = improved mouth-feel and sensory appeal³

✓ Enhances flavour³

✓ Reduces salt⁴

 Umami sensitises tastebuds to salt, meaning you can use less salt but still maintain flavour³

• Research shows you can reduce salt by 25% but still maintain flavour⁴

Unique package of nutrients and bioactives = nutrition boost to any meal



Vitamin D⁵

- ✓ B-vitamins (B3, B5, B7, B9), copper, potassium, phosphorus & selenium⁵
- ✓ 3 unique bioactives (ergothioneine, ergosterol, chitin)⁶⁻⁸

Based on 100g⁵

DID YOU KNOW?

Mushrooms are not a good source of protein, but can be easily combined with legumes, nuts or soy products to create a plant-based meal that delivers adequate protein if required.



 Key foods in a plant-based dict

 Image such as mushrooms
 Legumes (e.g., lentils, chickpeas, soybeans)

 Image such as mushrooms
 Image such as mushrooms
 Legumes (e.g., extra virgin olive, avocado, canola)

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

 Image such as mushrooms
 Image such as mushrooms
 Image such as mushrooms

Mushrooms = VITAMIN D SUPERSTAR!

Like humans, clever mushrooms produce vitamin D on sunlight exposure.⁹

100g of mushrooms provides 20% of daily vitamin D needs. $^{\scriptscriptstyle 5}$

But placing a serve of mushrooms in the sun for about 15 minutes can provide **over 100% of daily vitamin D needs.**⁹



OF DAILY VITAMIN D NEEDS





OF DAILY VITAMIN D NEEDS



GETTING ENOUGH motein?



Aside from legumes, vegetables and mushrooms are not a good source of protein.

BUT... Mushrooms are great when reducing or substituting meat as they deliver richer, meatier flavour and texture to dishes with other added nutrition benefits.

Protein rich plant foods:



legumes such as soy, lentils, chickpeas, nuts and seeds and wholegrains such as quinoa and amaranth.



Soy products including soy milk, tempeh, tofu



building muscles and healthy bones

cell growth, repair

Protein is important for*:

and function



Watch out: Most plant-based 'milks' such as almond, rice and oat are not a source of protein.



Mushrooms are unique as they are a non-animal and natural source of vitamin D.



With 1 in 4 Australians deficient in vitamin D, choosing foods like mushrooms that provide vitamin D is important.¹⁰





*As part of a healthy balanced diet

The Blend: THE BENEFITS OF MORE PLANTS BUT WITH LESS MEAT

'The Blend' is an easy cooking technique that can be adopted with any minced meat recipe. There's no need to change the recipes you already know and love... just make room for mushrooms!

Mushrooms can substitute from 25% up to 70% of minced meat in your favourite recipes, like spaghetti, lasagne, tacos, burgers and meatballs, without changing the meaty flavour and texture. Simply adjust the ratio of mushrooms to mince for each recipe, to allow for the extra moisture from the mushrooms.

- ✓ Enhanced flavour⁴
- ✓ Reduced calories, fat and salt⁴
- ✓ Added nutrition⁴
- Higher yield and cost effective

SUBSTITUTE:

25% mushrooms for burgers or meatballs, 50% mushrooms for bolognese or lasagne, 70% mushrooms for chilli con carne or ragu. Making meals delicious, nutritious and sustainable with mushrooms is as easy as chop, blend and COOK!



References: 1. Latrobe Uni, Health and environmental concerns reduce meat intake in Australia. 2022. https://www.latrobe.edu.au/news/articles/2022/release/health,environment-drops-meat-eating. 2. Statisa. 2019. https://www.statista.com/statistics/1232881. 3. Feeney, M. Nutr. Today, 2014. 49 (6): 301-307. 4. Myridal, A., et al, Mushrooms. J. Food Science, 2014. Vol.79, Issue 9. 5. Australian Food Composition Database, 2019. 6. Pusztahelyi T. Mycology. 2018;9(3):189-201.7. Weete et al. PLoS One. 2010;5(5). 8. Halliwell et al. FEBS Lett. 2018;592(20):3357-66. 9. Phillips, J Nutr Food Sci 2013;3:236. 10. Dunlop et al. J Hum Nutr Diet. 2022 Mar 7.

Copyright © 2023 Horticulture Innovation Australia | Australian Mushrooms | All rights reserved. For educational purposes only.

Hort MUSHROOM Innovation FUND This project has been funded by Hort Innovation using the mushroom research and development levy and funds from the Australian Government. For more information on the fund and strategic levy investment visit horticulture.com au



