FROM FARM TO YOU!

While often considered a vegetable, mushrooms are in fact neither animal or plant. They are part of a separate biological kingdom called Fungi, from well before plants were on Earth. <sup>1,2</sup>

 Unique culinary and nutrition characteristics



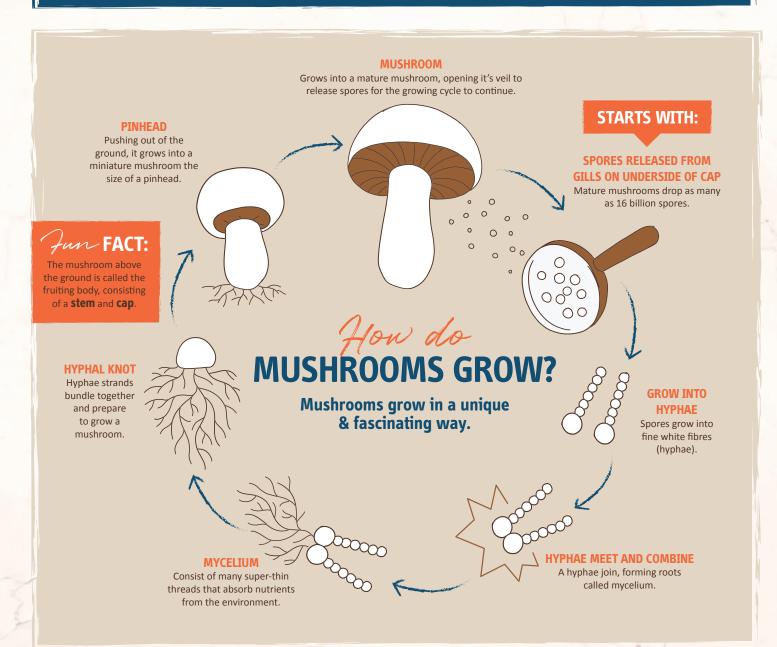
ANIMAL (meat and dairy)

**3 KEY BIOLOGICAL KINGDOMS:** 



**PLANT** (fruits, vegetables, seeds, oils, grains)

**FUNGI** (mushrooms)



# THE INCREDIBLE AUSTRALIAN White mushroom journey

#### **Always in season**

**M M M** 

and grown all year round indoors.

#### Can grow in light and darkness

Unlike plants, mushrooms don't need sunlight to grow, but when exposed to UV light, they can make over 100% of daily vitamin D needs\*.3

### A scientific marvel AND a precise art

For a mushroom to grow, the temperature, humidity and carbon dioxide levels are varied and carefully monitored around the clock.

✓ Farmers respond as required.

# Mushrooms are sustainably farmed, using circular farming methods

Growers use solar power and recycled water.

- Recycled waste from other farms (straw and animal manure) is made into compost for mushroom growing, with the compost at end of production then sold to other farms or nurseries.
- Vertical growing = less land usage.
- Less water used compared to meat production. \*Based on 100a⁴

# THE FARM TO YOU in the second second

pasteurised before use for mushroom growing. At the end of mushroom production, compost is sold to other farms or nurseries for use as a growing medium for other crops.

5. PACKAGING & SHIPPLI

Mushrooms are packed whole, or sliced and immediately refrigerated. Shipped within 24 hours of being harvested.

Commercial mushroom growers use spawn that is propagated from mycelium onto a sterilised cereal grain, which are produced under controlled conditions.

> The spawn is mixed through the compost. Mycelium then colonises the compost, after which, the mushrooms form.

Substrate removed and on sold as a growing medium for other crops.

F. HARVESTING (DAYS 58-79)

Carefully harvested

Mushrooms double in size daily.

Growing rooms have long shelves called growing beds, stacked 4 to 8 beds high.

Colonised compost is

extruded into the beds.

A casing layer is applied on top, to promote the mushroom fruit body.

3. GROWING IDAYS 31 Mushroom harvesting cycle is called a 'flush'. There are 2-3 'flushes' from a growing

**DID YOU KNOW?** Mushrooms keep

growing a little after they have been picked.

cycle over a 3-week period.

# Get to know THE DIFFERENT VARIETIES

White Mushrooms

up 95% of Australian fresh consumption.

Australian grown mushroom varieties (white, swiss brown and portobello) are the same species

(Agaricus bisporus)! The difference is simply their

age and stage of harvesting as mushrooms double

Most common but ever so versatile variety making

(AGARICUS BISPORUS)

**DID YOU KNOW?** 

in size in every day.

There are more than 2000 varieties of edible mushrooms worldwide, with the white button mushroom from the *Agaricus bisporus* species the most common.<sup>5</sup>



Button mushrooms = Harvest day 3



Cup mushrooms = Harvest day 4 0

Flat mushrooms or Portobello = Harvest day 5

function **FACT:** the longer a mushroom is allowed to grow, the more its flavour develops. So, a white button mushroom has a very mild flavour, and a 'flat' mushroom has a robust flavour.

# THE AGARICUS BISPORUS family



HITE CUA

BRO,

# Great size and texture to use whole

- Being the first harvested, their veil is tightly closed and texture very firm.
- Almost pure white, with the mildest umami flavour.
- Perfect for any cooking application with a crisp bite raw.
- Great whole, skewered for the BBQ, or in stews and in slow cooking.
- Fantastic crumbed and as a deep fried snack.

# Perfect raw or cooked, Australia's favourite all-rounder

- Being second stage harvest, gills can be slightly open.
- Mild and delicate flavour, perfect for any recipe.
- Firm texture maintained during cooking.



# Perfect for the BBQ

- Dense spongy texture, slightly softer than buttons and cups.
- Rich intense umami flavour and dark colour to sauces.

# Great for casseroles or slow cooking

- Slightly nutty and richer umami flavour than white mushrooms.
- Brown mushrooms have less water content than white mushrooms, resulting in a firmer texture that allows it to hold together better in slow cooking.

## Great for stuffing and slow cooking

- - Largest cultivated mushroom.
  - Hearty, savoury and meaty with lots of umami.

- Creamy white colour great for pasta and risotto.
- Most versatile great raw in platters or salads, whole roasted, stuffed and baked or diced and blended with meat dishes.
- Great whole, simply brushed with olive oil and put on BBQ, stuffed and oven baked or crumbed whole and shallow fried.
- Great fine diced and added to blended meat dishes or cooked and blended in soups or sauces.
- Good for beef, wild game and vegetable dishes.
- Best for high heat and long cooking applications.
- Great for casseroles, stew and skewering on BBQ as they hold their shape in slow cooking.
- Great for both meat and meatless dishes.
- Delivers hearty juiciness, rich flavour and firm, steak like texture, that keeps shape when cooked whole.
- Great for burgers and excellent for grilling, sautéing and roasting or diced and used in blended meat dishes.



	Flammulina velutipes Perfect for stir-fries										
ENOK	<ul> <li>Very mild and sweet slightly fruity taste when cooked.</li> <li>Firm crisp texture.</li> <li>Trim roots at base, discard and gently separate each strand.</li> </ul>	<ul> <li>Must always be cooked and best cooked briefly before eating as becomes chewy if overcooked.</li> <li>Great sauteed and added cooked to salads, attracting flavours from the dressing/sauces, or added at the end of cooking for stir-fries, soups or risottos.</li> </ul>									
1 Contraction of the second se	Pleurotus eryngii Add to stir-fries or simply sauté. Great seafood substitute										
HING TRUMPA	<ul> <li>Delicate, nutty flavour and a firm, meaty texture.</li> <li>When cooked, texture mimics seafood, like scallops, particularly when stem sliced crosswise.</li> <li>Large size and savoury flavour can feature as centre for any entrée for any cuisine.</li> </ul>	<ul> <li>Versatile for slicing and serving from large-to-small dice to slicing lengthwise to shredding.</li> <li>Cut lengthwise for slices -ideal for grilling, sautéing, roasting.</li> <li>Fork-shred for serving as a meaty option for barbeque sandwiches, tacos, or serving atop grilled meats.</li> </ul>									
1 the	Hericium erinaceus Great accompaniment to seafood										
THE S.NOT	<ul> <li>Seafood-like with mildly sweet flavour and tender texture like scallops, crab, or lobster.</li> </ul>	<ul> <li>Can be seared and served centre of plate.</li> <li>Accompaniment or alternative to seafood.</li> <li>Dry sauté in a hot skillet until water releases and edges brown, then add butter and seasonings.</li> </ul>									
	Grifola frondosa Distinct rippling fan, provides visual appeal to any dish										
MAITAKE	Delicate, rippling fan shape that almost resembles	• Cooked as a whole cluster or torn into smaller pieces to suit any recipe.									
	<ul><li>feathers.</li><li>Distinct aroma, rich, woodsy flavour with a succulent texture.</li></ul>	<ul> <li>Lends itself to any dish - great for mains, side dishes and soups.</li> <li>Delicious sauteed in butter or oil, browning its delicate edges to desired degree of crispness.</li> </ul>									
	Morchella esculenta Delivers rich flavour in sauces and soups										
MOREI	<ul><li>Distinctive savoury flavour.</li><li>Rich earthy flavour.</li></ul>	<ul><li>Best sautéed but can add a rich flavour to soups or sauces.</li><li>Great in slow cooked dishes.</li></ul>									
	Pleurotus osreatus Velvet but firm, best sautee	d									
OVSTER	<ul> <li>Velvety and dense in texture.</li> <li>'Briny' or delicate seafood flavour.</li> <li>Colourful dish addition - found in grey, yellow, pink and blue.</li> </ul>	<ul> <li>Trim stems and discard.</li> <li>Can be sliced and stir-fried or gently cooked in large pieces to preserve unique appearance.</li> <li>Best lightly sauteed. When pan-fried, edges turn crisp.</li> </ul>									
	Lentinula edodes Great for stir-fry, pasta and risotto										
SHITTAKE	<ul><li>Earthy, woody flavour and a rich meaty-yet- buttery texture when cooked.</li><li>Dense, meaty flesh with slightly chewy texture.</li></ul>	<ul><li>Tough stems can be removed and saved for soups and stocks.</li><li>Good for pizza, pasta and dishes that call for bold flavours.</li></ul>									
	Lypohylium or Pleurotus species Perfect hero for stir-fry										
SHIMEI	<ul><li>Firm texture with meaty but mildly sweet, nutty flavour.</li><li>Separate from clumps at base.</li></ul>	<ul> <li>Perfect as hero in stir-fry. Loves sauce and can be added whole to soups, salads or pasta.</li> </ul>									



Mushrooms boast a delicious savoury flavour, known as **UMAMI** - the Japanese word for 'tasty' or 'meaty', which is considered the fifth basic taste along with sweet, salty, sour and bitter.



WHICH MUSHROOM IS BESTwhen cooking?

	50	6	92		OD		T		RE		T	15tre	
Perfect for	WHITE BUTTON	WHITE CUP	WHITE FLAT	SWISS BROWN	PORTOBELLO	ENOKI	KING TRUMPET	LION'S MANE	MAITAKE	MOREL	OYSTER	SHIIITAKE	SHIMEJI
вво 🛒		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	25		1	194		
BURGER 🍚	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$		$\checkmark$		
CRUMB	$\checkmark$	$\checkmark$					$\checkmark$				$\checkmark$		
FLASH \$\$\$ FRY						$\checkmark$		$\checkmark$			$\checkmark$		
GRILL 🚫		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$				
pasta 🕰	$\checkmark$	$\checkmark$		$\checkmark$			$\checkmark$				$\checkmark$	$\checkmark$	$\checkmark$
	$\checkmark$	$\checkmark$		$\checkmark$			$\checkmark$		$\checkmark$		$\checkmark$	$\checkmark$	
PIZZA	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$				$\checkmark$		
RAW 🛞	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$									
RISOTTO 🖒	$\checkmark$	$\checkmark$		$\checkmark$			$\checkmark$				$\checkmark$	$\checkmark$	$\checkmark$
ROAST	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	
salad	$\checkmark$	$\checkmark$		$\checkmark$			$\checkmark$						
SAUCE	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$					$\checkmark$			
SAUTE 6000	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
SEAR	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	
SLOW СООК	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$							
soup 🏷	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
STIR-FRY	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$
STUFFED 🕙	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								

White mushrooms are one of the most cost-effective and versatile mushrooms across all cooking methods and meal occasions.



CHEF ADAM MOORE

# UMAMI Power

Mushrooms contain distinctive flavour compounds including glutamates, ribonucleotides, and several synergistic volatiles.<sup>6</sup>

Together, they give the characteristic 'umami' savoury taste associated with cooked mushrooms and can enhance flavour of meals with less salt.<sup>6</sup>

## Umami is found in:



Mushrooms



Cheese

Soy sauce

Miso paste Fish s



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