

I SPY CSIRO



Can you spot the science that shapes your everyday life?

Colour, search and learn as you uncover the CSIRO innovations throughout this home.
For more than 100 years, Australia's national science agency has helped shape
the products, technologies and knowledge we use every day.



How many innovations could you find?



1. Fortified foods

CSIRO scientists have spent decades improving the grains used in everyday foods to make them healthier. Two examples are BARLEYmax™ and Wise Wheat™, which contain higher levels of beneficial fibre than traditional grains. These specially developed grains can be used in foods like breakfast cereal and bread, helping people enjoy more fibre as part of their everyday diet.



6. Sunscreen

Inspired by corals found in the Great Barrier Reef, CSIRO worked with an Australian company to create new sunscreen ingredients based on the natural way corals protect themselves from the sun. The result was a new type of sunscreen filter that provides protection from both UVA and UVB rays, helping pave the way for the next generation of sunscreens.



2. 3D UltraAbsorb® nappy fabric

CSIRO worked with an Australian company to develop highly absorbent materials to use in modern nappies. These clever fabrics help keep babies drier and more comfortable by locking away moisture.



7. Wi-Fi (WLAN)

CSIRO's fast wireless local area network (WLAN) technology helped make modern Wi-Fi possible, allowing the world to connect without wires. Today it is used in more than a billion devices worldwide.



3. Softly® laundry detergent

Originally developed by CSIRO scientists to help protect wool fibres, Softly® became a popular laundry detergent in Australian homes. It helps keep woollen clothes clean while being gentle on delicate fabrics.



8. Pleated fabric

CSIRO developed SiroSet®, a process that helps wool garments keep sharp pleats and creases. It helped Australian wool compete with synthetic fabrics and made school uniforms and clothing easier to care for.



4. Solar hot water systems

CSIRO scientists helped develop solar hot water systems that use the sun's energy to warm water for homes. That means sunshine can help heat the water for your shower, bath or washing up.



9. Polymer banknotes

Australia was the first country to introduce plastic banknotes developed using CSIRO technology. These notes are more durable and are harder to fake thanks to security features like the clear windows we see on Australian money today.



5. Aerogard

Insect repellent Aerogard has been keeping flying pests at bay since the 1960s. Aerogard began as research to protect people from insects that spread disease and later became the household product used by generations of Australians.



10. Cotton varieties

CSIRO scientists developed new cotton varieties that helped Australian farmers grow better quality cotton with higher yields (more cotton) and stronger resistance to disease. The cotton grown from these plants is used in products such as sheets, towels and clothing like T-shirts.

CSIRO is Australia's national science agency, delivering solutions for a productive, sustainable and secure future.

CSIRO. Improving the life of every Australian.