



GM Canola Growth in Australia

Herbicide tolerant genetically modified (GM) canola has been grown in New South Wales and Victoria since 2008/09, in Western Australia since 2010 and in South Australia since 2021.

The tables below provide information regarding the hectareage for each year, a state-by-state breakdown and the percentage of GM canola grown in each state as well as nationally.

Total GM Canola by Year (hectares)

	2009	2010	2011	2012	2013	2014	2015+*	2016+*	2017+*	2018F*
NSW	13,930	23,286	28,530	40,324	31,573	52,000	51,870	54,970	68,163	66,045
VIC	31,186	39,405	22,272	19,012	21,232	37,000	47,137	47,069	56,900	63,825
WA	n/a	86,006	94,800	121,694	167,596	260,000	337,527	344,188	366,466	369,027
National (GM)	45,116	148,697	145,602	181,030	220,401	349,000	436,534	446,227	491,529	498,897
Total Area of Canola (GM and non-GM)	1,510,428	1,858,649	2,175,587	2,934,300	2,419,809	2,579,271	1,938,423	2,461,524	2,476,400	2,220,000
% GM Canola	3%	8%	7%	6%	9%	14%	23%	18%	20%	22%

	2019	2020	2021
NSW	50,030	54,970	104,250
VIC	66,793	47,069	118,390
WA	433,833	344,188	580,115
SA			23,550
National (GM)	550,656	539,643	826,305
Total Area of Canola (GM and non-GM)	5,674,448	2,611,186	3,210,000
% GM Canola	10%	21%	26%

Total GM Canola by State

	2009	2010	2011	2012	2013	2014	2015+*	2016+*	2017+*	2018F*	2019	2020	2021
NSW	5%	5%	4%	4%	5%	7%	9%	7%	10%	35%	15%	9%	13%
VIC	13%	12%	5%	3%	5%	8%	17%	14%	13%	21%	17%	17%	20%
WA	0%	8%	10%	9%	13%	19%	31%	26%	27%	31%	38%	32%	37%
SA													9%
National	3%	8%	7%	6%	9%	14%	23%	18%	20%	22%	10%	21%	26%

† The seeding rate is 2.5 Kg/Ha from 2009 to 2014 and 2.0 Kg/Ha from 2015 onwards. Improved crop genetics, vigour and establishment help contribute towards a lower seeding rate over time.

* The 2015, 2016 and 2017 total area figure represents those states that grow GM canola only (WA, VIC and NSW).

Source: Bayer Monsanto (previously from Monsanto Australia) and ABARES

Updated: 2022