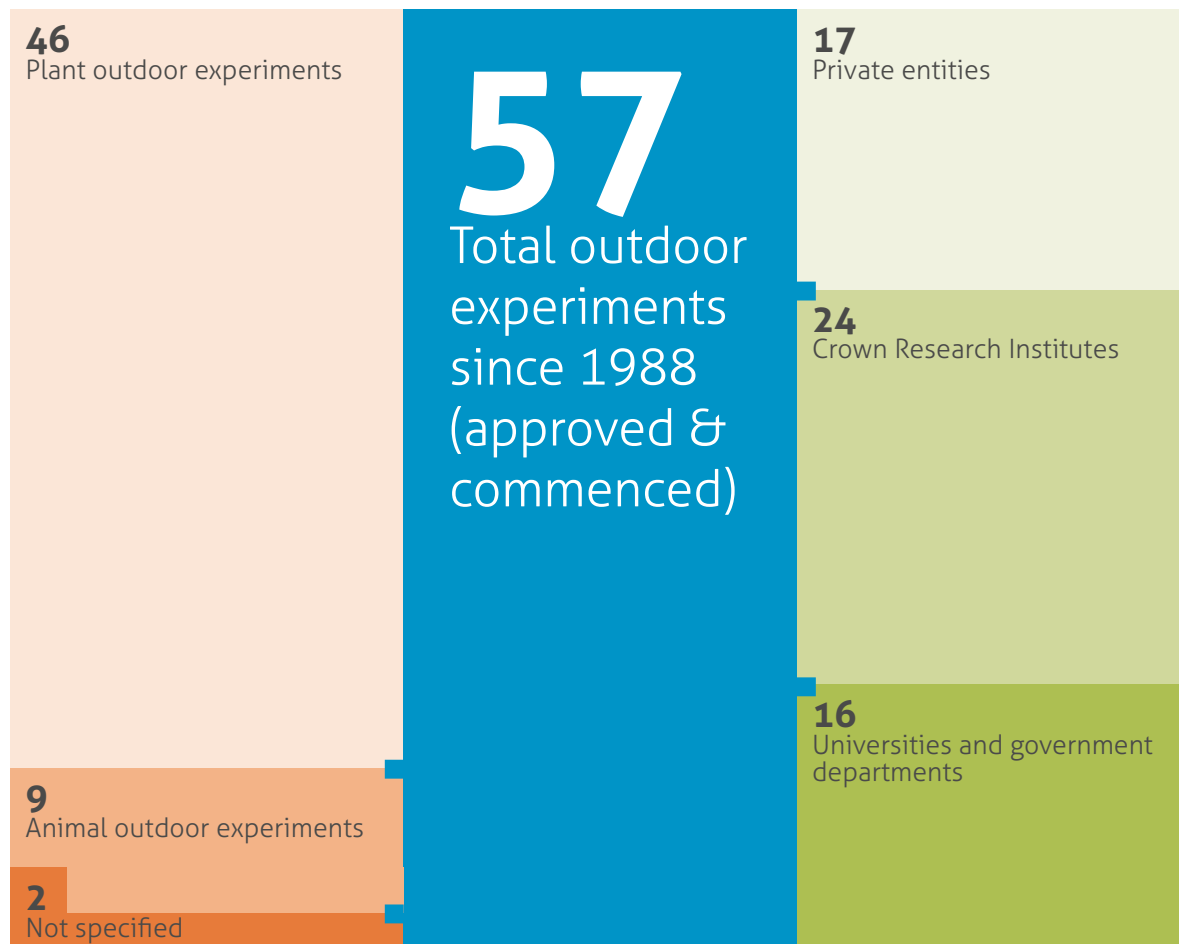


The First Forty Years of GM: By the Numbers

In 1988 New Zealand undertook its first outdoor experiment. The following two pages represent GM data from 1988 to June 2013. There are limitations to this information, as explained in the appendices.



Types of animal tested



Types of plant tested



Also tested: Canola, Barley, Kiwifruit, *Lisianthus*, Maize, Norway Spruce Trees, Peas, Petunia, Rapeseed, Sugarbeet, Tamarillo, White Clover

ERA I: The journey toward the Royal Commission

1973

First recombinant bacteria developed in a laboratory

1988

Interim Assessment Group (IAG) on GM established and first GM outdoor experiment in NZ

Inputs

54

Outdoor experiments completed

6

Outdoor experiments approved but not commenced

(2 AgResearch, 2 Pioneer NZ Ltd, 1 Carter Holt Harvey, 1 Plant & Food)

2

Outdoor experiments currently operating

(Scion, AgResearch)

0

Outdoor experiments declined by ERMA/EPA

1

Outdoor experiment with current approval commenced but not operating

(This experiment ran for 10 years. It is not currently operating but approval lasts till 2018 GMF990014 and GMF99005)

Process

11

Incidents of outdoor experiments

52

Reported incidents involving GMOs

1

Outdoor experiment shut down

(Shut down by Plant & Food Research, formerly NZ Institute for Crop & Food Research, two years into a 10-year consent after a biosecurity breach)

7

Trespasses or acts of vandalism on outdoor experiments

Outputs

59

GM ingredients approved for sale in New Zealand and Australia

0

Commercialised GM crops grown in New Zealand

1

Imported GMO application approved for conditional release

(vaccine for equine [horse] flu – not used to date)

1996

Hazardous Substances and New Organisms (HSNO) Act 1996 establishes the Environmental Risk Management Authority (ERMA)

2001

Royal Commission Report on Genetic Modification published

2013

ERA II: The Royal Commission

ERA III: The response to the Royal Commission

ERA IV: The era of institutional change

1998

First application for a field test received by ERMA

2011

Environmental Protection Authority (EPA) established