New Zealand GARDEN BIRD SURVEY

Manaaki Whenua Landcare Research

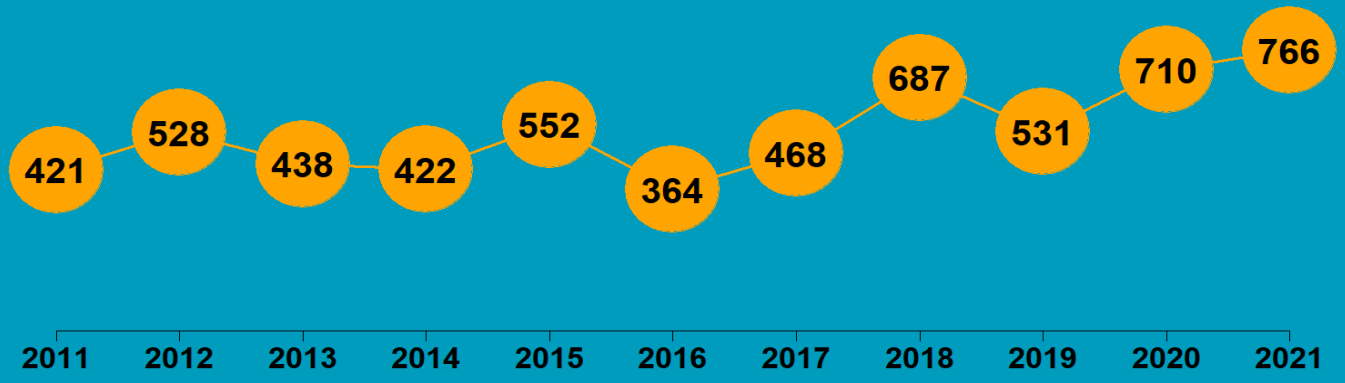
Summary report

OTAGO REGION

2021 | State of NZ Garden Birds

Te Āhua o ngā Manu o te Kāri i Aotearoa

NUMBER OF SURVEYED GARDENS



New Zealand GARDEN BIRD SURVEY

We have estimated how bird counts have changed over the last 10− and 5−year periods in different regions, districts, and neighbourhoods across New Zealand for 14 common garden visitors – five native and nine introduced birds.

Thanks to all our volunteer bird counters, 41,890 garden surveys have been completed nationwide since 2011. We use specialised statistical tools to account for variation in sampling effort between regions, districts, and suburbs over time. We also account for variation in bird counts depending on whether the surveyed gardens were in a rural or urban setting, and whether birds were fed or not. We also correct for the actual number of gardens in each area.

We then classify these changes according to their direction and size (see diagram below) to help us identify changes of potential concern or interest.

How have bird counts changed?

Drawing attention to changes in counts that may be of concern or interest

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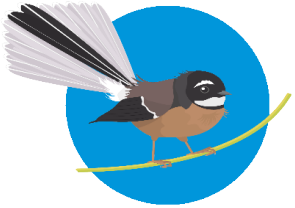
New Zealand
GARDEN
BIRD
SURVEY

OTAGO | Fantail | Pīwakawaka

How have garden bird counts changed in this region?

Last 10 years
2011–21

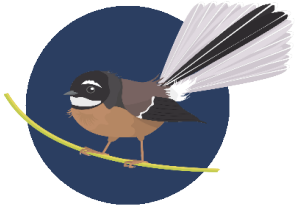


MODERATE INCREASE REGIONALLY

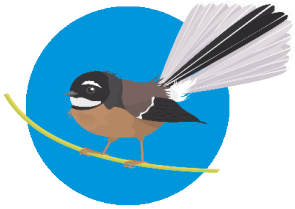
SHALLOW INCREASE NATIONALLY

- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

Last 5 years
2016–21



RAPID INCREASE REGIONALLY



MODERATE INCREASE NATIONALLY

Data source: 41,890 and 25,073 gardens surveyed nationwide for 2011–21 and 2016–21, respectively.

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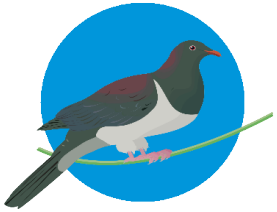
GARDEN
BIRD
SURVEY

OTAGO | Kererū | Kererū

How have garden bird counts changed in this region?

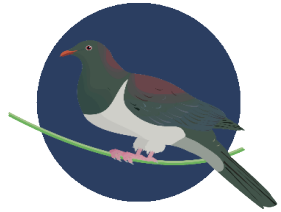
Last 10 years
2011–21



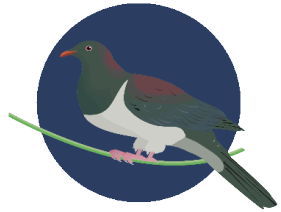
MODERATE INCREASE REGIONALLY

RAPID INCREASE NATIONALLY

Last 5 years
2016–21



RAPID INCREASE REGIONALLY



RAPID INCREASE NATIONALLY

- Rapid increase
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- Shallow increase
- No or little change
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- Moderate decline
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OTAGO | Greenfinch

How have garden bird counts changed in this region?

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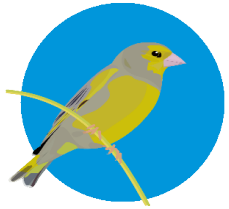
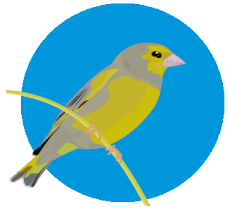
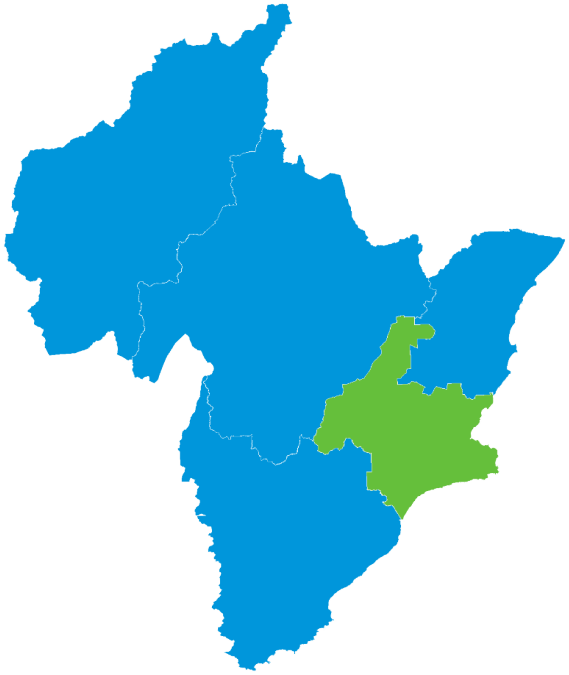
2011–21



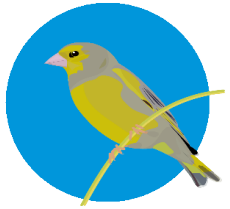
MODERATE INCREASE
REGIONALLY



MODERATE INCREASE
NATIONALLY



Last 5 years
2016–21



MODERATE INCREASE
REGIONALLY

MODERATE INCREASE
NATIONALLY

- Rapid increase
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- No or little change
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- Moderate decline
- Rapid decline

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BIRD
SURVEY

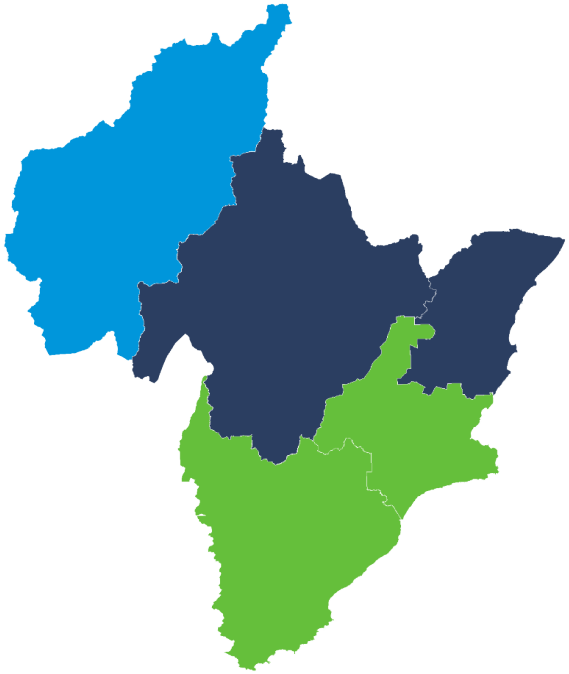
OTAGO | Tūī | Kōkō

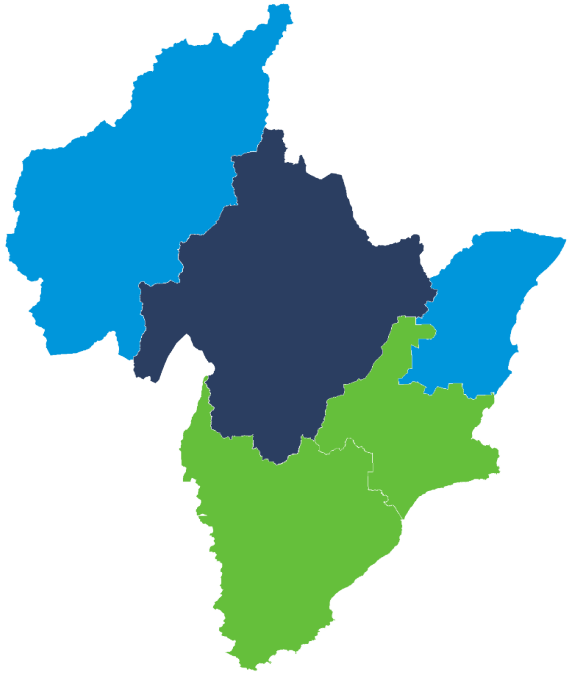
How have garden bird counts changed in this region?

Last 10 years
2011–21

MODERATE INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY





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Last 5 years
2016–21

MODERATE INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY

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New Zealand GARDEN BIRD SURVEY

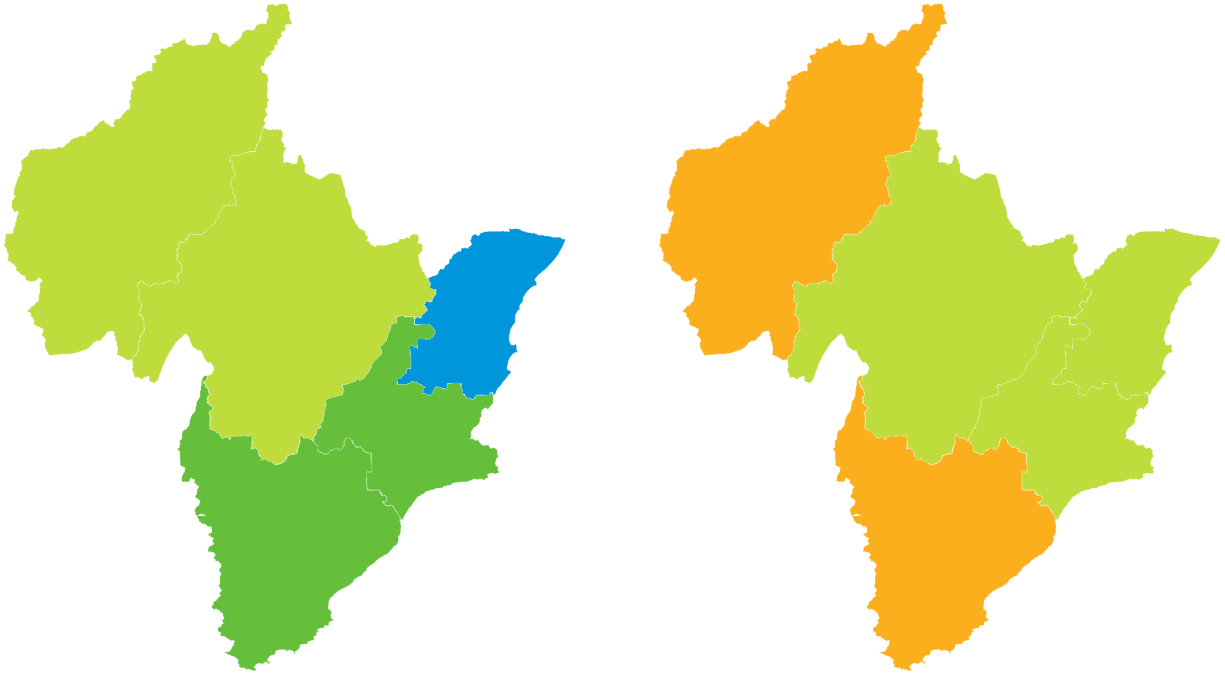
OTAGO | House sparrow | Tiu

How have garden bird counts changed in this region?

Last 10 years
2011–21

SHALLOW INCREASE REGIONALLY

LITTLE OR NO CHANGE NATIONALLY



Last 5 years
2016–21

LITTLE OR NO CHANGE REGIONALLY

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SURVEY

OTAGO | Blackbird | Manu pango

How have garden bird counts changed in this region?

Last 10 years
2011–21

SHALLOW INCREASE
REGIONALLY

SHALLOW INCREASE
NATIONALLY

Last 5 years
2016–21

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REGIONALLY

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BIRD
SURVEY

OTAGO | Goldfinch

How have garden bird counts changed in this region?

Last 10 years
2011–21

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Last 5 years
2016–21

RAPID INCREASE REGIONALLY

RAPID INCREASE NATIONALLY

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New Zealand
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SURVEY

OTAGO | Bellbird | Korimako

How have garden bird counts changed in this region?

Last 10 years
2011–21

LITTLE OR NO CHANGE
REGIONALLY

LITTLE OR NO CHANGE
NATIONALLY

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Last 5 years
2016–21

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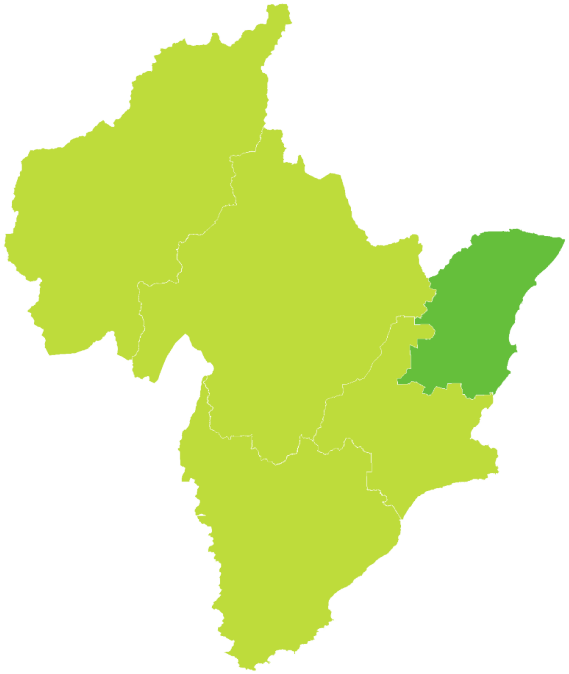
OTAGO | Starling | Tāringi

How have garden bird counts changed in this region?

Last 10 years
2011–21

LITTLE OR NO CHANGE
REGIONALLY

SHALLOW DECLINE
NATIONALLY



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Last 5 years
2016–21

LITTLE OR NO CHANGE
REGIONALLY

SHALLOW DECLINE
NATIONALLY

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New Zealand GARDEN BIRD SURVEY

OTAGO | Chaffinch | Pahirini

How have garden bird counts changed in this region?

Last 10 years
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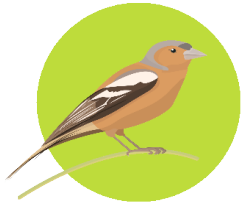

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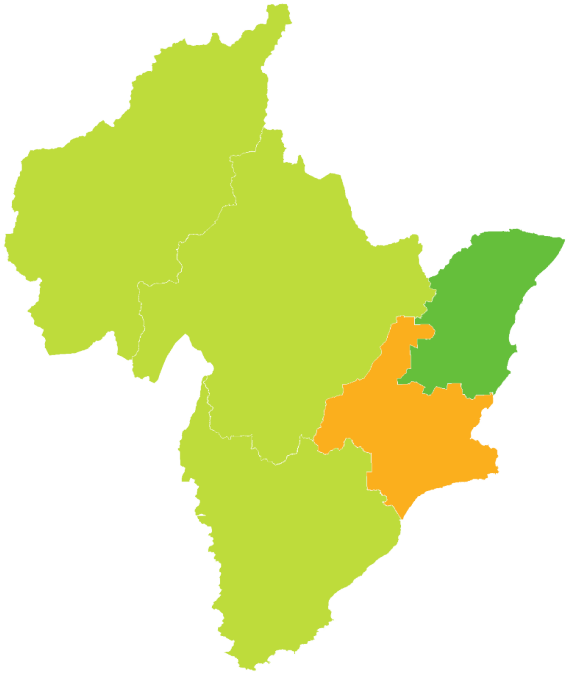

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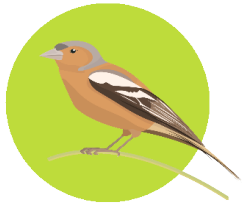

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OTAGO | Song thrush

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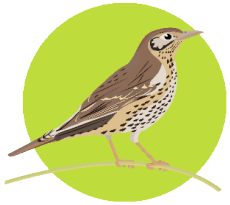

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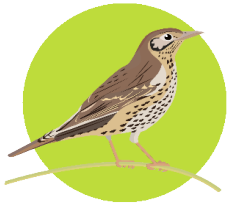
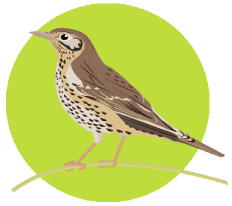


LITTLE OR NO CHANGE
NATIONALLY

Last 5 years
2016–21

MODERATE INCREASE
REGIONALLY



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New Zealand
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OTAGO | Dunnock

How have garden bird counts changed in this region?

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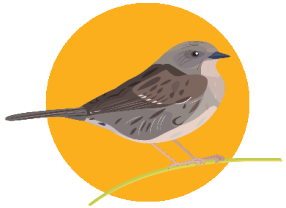
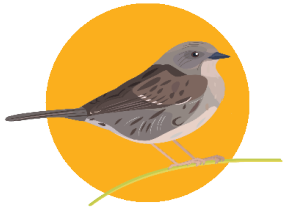
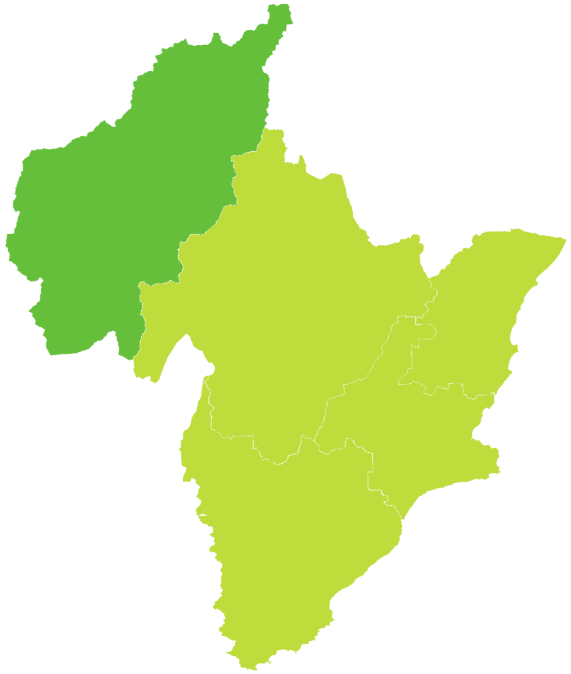
2011–21



SHALLOW DECLINE
REGIONALLY



SHALLOW DECLINE
NATIONALLY



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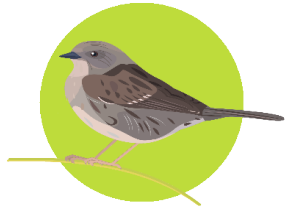

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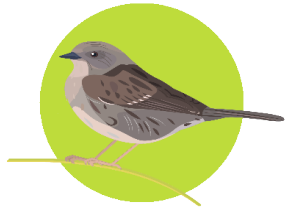

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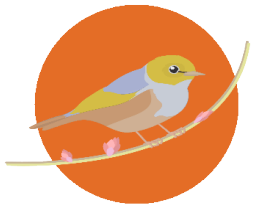
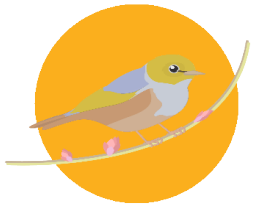
OTAGO | Silvereye | Tauhou

How have garden bird counts changed in this region?

Last 10 years
2011–21



MODERATE DECLINE REGIONALLY



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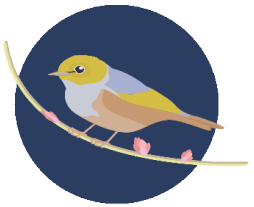
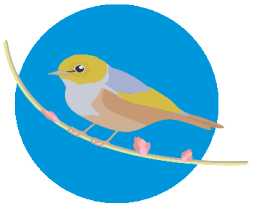


RAPID INCREASE REGIONALLY



MODERATE INCREASE NATIONALLY

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2022

25 June to 3 July

Visit our webpage to learn more:

gardenbirdsurvey.landcareresearch.co.nz

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