YouGov Survey: Insects and Bugs

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Sample   1148 U.S. adult citizens
Conducted   June 14 - 17, 2024
Margin of Error   ±3.5%

1. How do you generally feel about encountering insects or bugs outdoors?

Very positive 5%
Somewhat positive 8%
Neutral 36%
Somewhat negative 25%
Very negative 24%
Not sure 2%

2. Where you live, in which season do you notice the largest number of insects and bugs outdoors?

Spring 14%
Summer 79%
Fall 2%
Winter 1%
Not sure 4%

3. When you encounter the following outdoors, is your reaction typically...?

	Very positive	Somewhat positive	Neutral	Somewhat negative	Very negative	Not sure
Butterflies	59%	20%	15%	2%	2%	2%
Fireflies	43%	23%	22%	4%	4%	4%
Ladybugs	38%	23%	25%	7%	5%	2%
Honey bees	34%	20%	23%	11%	10%	2%
Dragonflies	30%	21%	32%	8%	5%	3%
Bumblebees	25%	18%	23%	15%	16%	2%
Praying mantises	23%	20%	33%	10%	8%	5%
Earthworms	23%	18%	37%	9%	10%	2%
Caterpillars	22%	24%	37%	9%	6%	2%
Grasshoppers	16%	22%	39%	12%	9%	3%
Roly-polys	15%	16%	37%	9%	7%	16%
Moths	10%	15%	38%	19%	15%	2%
Spotted lanternflies	10%	9%	29%	8%	17%	26%
June bugs	9%	11%	37%	16%	15%	12%
Cicadas	8%	8%	35%	18%	23%	8%
Spiders	7%	12%	23%	23%	34%	1%
Ants	5%	10%	32%	25%	26%	2%
Wasps	3%	4%	15%	22%	53%	2%
Cockroaches	3%	2%	9%	11%	73%	2%
Mosquitoes	2%	2%	8%	17%	69%	1%

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4. When you are outdoors and encounter a harmless insect or bug that interests you, how often do you attempt to touch it or pick it up?

Always 2%
Usually 5%
Sometimes 19%
Rarely 32%
Never 40%
Not sure 2%

5. When you are outdoors and encounter an insect or bug that you consider to be harmful to you, how often do you attempt to kill it?

Always 14%
Usually 19%
Sometimes 30%
Rarely 20%
Never 14%
Not sure 3%

6. When you are outdoors and encounter an insect or bug that you consider to be harmful to the environment, how often do you attempt to kill it?

Always 17%
Usually 21%
Sometimes 23%
Rarely 13%
Never 13%
Not sure 13%

7. Compared to when you were outdoors growing up, these days do you notice...?

More insects and bugs 23%
About the same number of insects and bugs 44%
Fewer insects and bugs 19%
Not sure 14%

8. Would you say that climate change has...?

Increased the overall number of insects and bugs 20%
Had no effect on the number of insects and bugs 26%
Decreased the overall number of insects and bugs 16%
The climate is not changing 6%
Not sure 32%

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Interviewing Dates	June 14 - 17, 2024
Target population	U.S. citizens, aged 18 and over.
Sampling method	Respondents were selected from YouGov's opt-in Internet panel using sample matching. A random sample (stratified by gender, age, race, education, geographic region, and voter registration) was selected from the 2019 American Community Survey.
Weighting	The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to November 1, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 31% Republican). The weights range from 0.051 to 5.038, with a mean of one and a standard deviation of 0.706.
Number of respondents	1148
Margin of error	$\pm$ 3.5% (adjusted for weighting)
Survey mode	Web-based interviews
Questions not reported	101 questions not reported.

YouGov Survey: Insects and Bugs
June 14 - 17, 2024 - 1148 U.S. adult citizens

1. Feelings on Insects and Bugs
How do you generally feel about encountering insects or bugs outdoors?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	5%	5%	6%	6%	7%	4%	6%	5%	10%	5%	3%
Somewhat positive	8%	9%	6%	10%	10%	5%	7%	8%	9%	10%	2%
Neutral	36%	41%	32%	36%	31%	38%	39%	37%	23%	36%	54%
Somewhat negative	25%	26%	24%	25%	26%	24%	26%	26%	22%	25%	21%
Very negative	24%	16%	30%	20%	22%	28%	22%	22%	33%	24%	18%
Not sure	2%	2%	2%	3%	4%	1%	1%	2%	2%	1%	3%
Totals	100%	99%	100%	100%	100%	100%	101%	100%	99%	101%	101%
Unweighted N	(1,147)	(522)	(625)	(248)	(235)	(390)	(274)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	5%	9%	4%	3%	8%	5%	7%	6%	4%	6%	6%	4%	7%
Somewhat positive	8%	10%	8%	5%	12%	5%	8%	10%	6%	3%	5%	8%	12%
Neutral	36%	30%	41%	37%	33%	37%	35%	36%	42%	39%	33%	36%	38%
Somewhat negative	25%	27%	22%	26%	25%	28%	21%	29%	22%	27%	29%	27%	17%
Very negative	24%	23%	22%	26%	22%	23%	27%	19%	22%	23%	27%	24%	20%
Not sure	2%	1%	3%	3%	1%	2%	2%	0%	4%	3%	0%	1%	5%
Totals	100%	100%	100%	100%	101%	100%	100%	100%	100%	101%	100%	100%	99%
Unweighted N	(1,147)	(379)	(465)	(303)	(399)	(385)	(499)	(320)	(230)	(206)	(250)	(429)	(262)

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2. Insect/Bug Seasonality
Where you live, in which season do you notice the largest number of insects and bugs outdoors?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Spring	14%	16%	12%	14%	11%	15%	15%	13%	12%	18%	17%
Summer	79%	78%	81%	74%	82%	81%	79%	80%	82%	72%	80%
Fall	2%	2%	2%	3%	1%	3%	1%	2%	1%	3%	2%
Winter	1%	0%	2%	2%	1%	0%	1%	1%	0%	4%	0%
Not sure	4%	4%	3%	7%	5%	1%	3%	4%	4%	3%	2%
Totals	100%	100%	100%	100%	100%	100%	99%	100%	99%	100%	101%
Unweighted N	(1,147)	(522)	(625)	(248)	(235)	(390)	(274)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Spring	14%	14%	12%	16%	11%	15%	15%	11%	12%	12%	11%	14%	18%
Summer	79%	81%	79%	78%	84%	78%	78%	84%	82%	83%	85%	79%	72%
Fall	2%	2%	2%	2%	2%	3%	2%	2%	2%	2%	1%	3%	2%
Winter	1%	2%	1%	0%	1%	0%	1%	1%	0%	1%	0%	0%	3%
Not sure	4%	2%	5%	4%	2%	4%	4%	2%	3%	2%	3%	4%	5%
Totals	100%	101%	99%	100%	100%	100%	100%	100%	99%	100%	100%	100%	100%
Unweighted N	(1,147)	(379)	(465)	(303)	(399)	(385)	(499)	(320)	(230)	(206)	(250)	(429)	(262)

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3A. Feelings on Specific Insects and Bugs — Butterflies
When you encounter the following outdoors, is your reaction typically. . . ?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	59%	48%	70%	42%	50%	65%	77%	63%	43%	55%	59%
Somewhat positive	20%	26%	15%	23%	23%	21%	14%	20%	25%	20%	16%
Neutral	15%	19%	11%	26%	18%	11%	8%	13%	24%	15%	18%
Somewhat negative	2%	2%	2%	2%	3%	1%	1%	1%	5%	5%	0%
Very negative	2%	2%	2%	5%	3%	1%	0%	1%	3%	5%	4%
Not sure	2%	3%	0%	3%	4%	0%	0%	2%	1%	0%	3%
Totals	100%	100%	100%	101%	101%	99%	100%	100%	101%	100%	100%
Unweighted N	(1,146)	(522)	(624)	(249)	(235)	(390)	(272)	(731)	(141)	(174)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	59%	63%	53%	62%	66%	65%	62%	60%	56%	60%	56%	61%	59%
Somewhat positive	20%	18%	23%	21%	17%	19%	17%	24%	23%	18%	27%	19%	17%
Neutral	15%	14%	20%	11%	13%	12%	14%	12%	16%	17%	15%	13%	18%
Somewhat negative	2%	3%	1%	1%	3%	1%	3%	1%	1%	0%	1%	3%	2%
Very negative	2%	2%	3%	1%	1%	2%	3%	1%	0%	2%	2%	2%	1%
Not sure	2%	0%	1%	4%	0%	1%	1%	1%	4%	3%	0%	2%	2%
Totals	100%	100%	101%	100%	100%	100%	100%	99%	100%	100%	101%	100%	99%
Unweighted N	(1,146)	(379)	(464)	(303)	(399)	(384)	(498)	(320)	(230)	(206)	(249)	(429)	(262)

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3B. Feelings on Specific Insects and Bugs — Fireflies

When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	43%	38%	47%	36%	37%	48%	48%	48%	26%	27%	53%
Somewhat positive	23%	26%	20%	18%	26%	25%	21%	23%	24%	22%	17%
Neutral	22%	26%	19%	28%	24%	19%	19%	20%	30%	29%	17%
Somewhat negative	4%	3%	6%	8%	3%	3%	5%	3%	6%	13%	0%
Very negative	4%	3%	5%	6%	5%	3%	3%	2%	11%	7%	5%
Not sure	4%	4%	3%	5%	4%	2%	4%	3%	3%	3%	8%
Totals	100%	100%	100%	101%	99%	100%	100%	99%	100%	101%	100%
Unweighted N	(1,147)	(523)	(624)	(249)	(235)	(389)	(274)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	43%	44%	40%	45%	49%	44%	42%	47%	42%	45%	45%	44%	36%
Somewhat positive	23%	25%	23%	20%	22%	22%	22%	22%	28%	21%	27%	24%	19%
Neutral	22%	18%	25%	23%	18%	22%	24%	19%	21%	23%	21%	19%	28%
Somewhat negative	4%	7%	2%	5%	5%	3%	4%	7%	2%	3%	3%	5%	6%
Very negative	4%	4%	5%	3%	4%	4%	5%	3%	2%	5%	3%	5%	3%
Not sure	4%	2%	5%	4%	3%	4%	3%	3%	4%	4%	0%	2%	9%
Totals	100%	100%	100%	100%	101%	99%	100%	101%	99%	101%	99%	99%	101%
Unweighted N	(1,147)	(379)	(466)	(302)	(399)	(384)	(499)	(320)	(230)	(207)	(250)	(428)	(262)

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3C. Feelings on Specific Insects and Bugs — Ladybugs
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	38%	31%	45%	25%	32%	44%	49%	40%	30%	33%	44%
Somewhat positive	23%	25%	22%	24%	26%	25%	18%	24%	19%	21%	28%
Neutral	25%	29%	21%	28%	28%	22%	21%	24%	31%	26%	21%
Somewhat negative	7%	7%	7%	10%	7%	6%	6%	7%	7%	9%	1%
Very negative	5%	5%	5%	10%	5%	3%	3%	3%	13%	8%	2%
Not sure	2%	3%	0%	3%	2%	0%	2%	1%	0%	4%	3%
Totals	100%	100%	100%	100%	100%	100%	99%	99%	100%	101%	99%
Unweighted N	(1,145)	(523)	(622)	(249)	(235)	(390)	(271)	(730)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	38%	43%	36%	36%	47%	40%	39%	41%	35%	39%	31%	35%	49%
Somewhat positive	23%	23%	23%	23%	22%	21%	22%	20%	30%	22%	25%	24%	23%
Neutral	25%	20%	29%	26%	22%	25%	25%	24%	26%	26%	29%	26%	19%
Somewhat negative	7%	8%	6%	8%	6%	8%	7%	10%	6%	4%	10%	8%	6%
Very negative	5%	5%	5%	4%	3%	5%	6%	3%	2%	6%	6%	6%	1%
Not sure	2%	0%	1%	4%	0%	1%	0%	2%	2%	3%	0%	2%	2%
Totals	100%	99%	100%	101%	100%	100%	99%	100%	101%	100%	101%	101%	100%
Unweighted N	(1,145)	(377)	(466)	(302)	(397)	(385)	(498)	(318)	(230)	(207)	(248)	(429)	(261)

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3D. Feelings on Specific Insects and Bugs — Honey bees
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	34%	34%	35%	20%	27%	38%	50%	38%	13%	34%	41%
Somewhat positive	20%	20%	20%	21%	17%	22%	19%	21%	21%	16%	14%
Neutral	23%	26%	20%	27%	30%	20%	15%	21%	31%	24%	23%
Somewhat negative	11%	11%	11%	15%	13%	9%	8%	11%	15%	10%	9%
Very negative	10%	7%	13%	16%	9%	9%	8%	8%	18%	14%	7%
Not sure	2%	2%	2%	3%	3%	2%	0%	2%	1%	2%	7%
Totals	100%	100%	101%	102%	99%	100%	100%	101%	99%	100%	101%
Unweighted N	(1,145)	(523)	(622)	(249)	(235)	(387)	(274)	(731)	(140)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	34%	39%	30%	34%	44%	36%	32%	36%	40%	33%	33%	33%	39%
Somewhat positive	20%	22%	18%	20%	21%	20%	21%	20%	21%	16%	19%	20%	22%
Neutral	23%	18%	27%	24%	15%	23%	23%	22%	20%	24%	21%	24%	21%
Somewhat negative	11%	11%	10%	13%	10%	10%	9%	14%	10%	9%	15%	10%	9%
Very negative	10%	9%	13%	7%	10%	8%	14%	6%	6%	14%	11%	11%	5%
Not sure	2%	1%	2%	3%	0%	2%	1%	2%	3%	3%	0%	1%	4%
Totals	100%	100%	100%	101%	100%	99%	100%	100%	100%	99%	99%	99%	100%
Unweighted N	(1,145)	(378)	(466)	(301)	(399)	(383)	(497)	(320)	(229)	(206)	(249)	(428)	(262)

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3E. Feelings on Specific Insects and Bugs — Dragonflies
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	30%	28%	32%	17%	29%	36%	35%	33%	13%	24%	*
Somewhat positive	21%	21%	21%	21%	19%	18%	27%	24%	11%	21%	*
Neutral	32%	36%	29%	40%	39%	28%	24%	32%	40%	31%	*
Somewhat negative	8%	6%	10%	12%	5%	8%	8%	7%	14%	12%	*
Very negative	5%	5%	6%	6%	5%	8%	3%	3%	17%	10%	*
Not sure	3%	4%	2%	4%	3%	2%	2%	2%	6%	2%	*
Totals	99%	100%	100%	100%	100%	100%	99%	101%	101%	100%	*
Unweighted N	(1,145)	(521)	(624)	(248)	(235)	(390)	(272)	(731)	(141)	(174)	(99)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	30%	29%	29%	32%	33%	33%	29%	34%	29%	22%	28%	31%	35%
Somewhat positive	21%	25%	18%	21%	23%	22%	21%	20%	24%	24%	23%	19%	20%
Neutral	32%	26%	39%	32%	29%	30%	34%	31%	32%	34%	30%	34%	30%
Somewhat negative	8%	11%	5%	8%	8%	8%	8%	7%	7%	8%	11%	7%	9%
Very negative	5%	7%	6%	3%	5%	5%	6%	6%	5%	8%	6%	5%	3%
Not sure	3%	2%	3%	4%	2%	3%	2%	1%	4%	5%	1%	3%	3%
Totals	99%	100%	100%	100%	100%	101%	100%	99%	101%	101%	99%	99%	100%
Unweighted N	(1,145)	(377)	(465)	(303)	(398)	(384)	(498)	(319)	(230)	(207)	(248)	(429)	(261)

3F. Feelings on Specific Insects and Bugs — Bumblebees
When you encounter the following outdoors, is your reaction typically. . . ?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	25%	23%	28%	16%	22%	29%	33%	28%	13%	20%	30%
Somewhat positive	18%	19%	17%	21%	16%	16%	19%	19%	19%	14%	12%
Neutral	23%	25%	22%	30%	26%	21%	18%	23%	23%	23%	30%
Somewhat negative	15%	17%	14%	12%	18%	14%	16%	14%	21%	16%	11%
Very negative	16%	13%	19%	17%	16%	19%	12%	14%	23%	21%	13%
Not sure	2%	4%	1%	4%	2%	1%	2%	1%	1%	6%	5%
Totals	99%	101%	101%	100%	100%	100%	100%	99%	100%	100%	101%
Unweighted N	(1,148)	(523)	(625)	(249)	(235)	(390)	(274)	(733)	(141)	(174)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	25%	29%	24%	23%	34%	27%	25%	26%	26%	28%	20%	23%	32%
Somewhat positive	18%	19%	17%	17%	22%	17%	16%	20%	20%	17%	18%	17%	18%
Neutral	23%	22%	26%	23%	19%	24%	25%	20%	26%	24%	23%	24%	23%
Somewhat negative	15%	15%	15%	16%	13%	17%	14%	18%	11%	11%	19%	17%	12%
Very negative	16%	15%	16%	18%	12%	14%	20%	13%	13%	17%	20%	17%	11%
Not sure	2%	1%	2%	4%	0%	1%	0%	3%	3%	3%	0%	2%	3%
Totals	99%	101%	100%	101%	100%	100%	100%	100%	99%	100%	100%	100%	99%
Unweighted N	(1,148)	(379)	(466)	(303)	(399)	(385)	(499)	(320)	(230)	(207)	(250)	(429)	(262)

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3G. Feelings on Specific Insects and Bugs — Praying mantises
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	23%	23%	24%	13%	20%	27%	32%	27%	13%	11%	28%
Somewhat positive	20%	18%	21%	15%	21%	20%	22%	22%	12%	19%	14%
Neutral	33%	39%	27%	40%	39%	28%	28%	31%	37%	39%	34%
Somewhat negative	10%	9%	11%	12%	7%	12%	9%	9%	18%	13%	6%
Very negative	8%	5%	11%	11%	9%	8%	5%	7%	8%	14%	7%
Not sure	5%	5%	6%	9%	5%	4%	5%	4%	11%	3%	10%
Totals	99%	99%	100%	100%	101%	99%	101%	100%	99%	99%	99%
Unweighted N	(1,147)	(523)	(624)	(249)	(235)	(390)	(273)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	23%	26%	21%	24%	26%	27%	23%	27%	20%	24%	26%	22%	24%
Somewhat positive	20%	21%	18%	20%	23%	20%	18%	20%	27%	22%	20%	18%	21%
Neutral	33%	29%	38%	31%	28%	31%	31%	32%	35%	29%	29%	35%	36%
Somewhat negative	10%	12%	7%	12%	11%	9%	12%	9%	9%	10%	12%	12%	7%
Very negative	8%	6%	10%	8%	6%	9%	11%	6%	4%	8%	9%	10%	5%
Not sure	5%	6%	6%	5%	5%	4%	5%	5%	5%	7%	4%	4%	8%
Totals	99%	100%	100%	100%	99%	100%	100%	99%	100%	100%	100%	101%	101%
Unweighted N	(1,147)	(378)	(466)	(303)	(398)	(385)	(499)	(319)	(230)	(207)	(250)	(429)	(261)

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3H. Feelings on Specific Insects and Bugs — Earthworms
When you encounter the following outdoors, is your reaction typically. . . ?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	23%	22%	23%	16%	15%	25%	35%	25%	13%	15%	33%
Somewhat positive	18%	18%	18%	17%	20%	17%	19%	20%	12%	18%	12%
Neutral	37%	40%	35%	36%	44%	39%	28%	36%	45%	38%	37%
Somewhat negative	9%	8%	10%	11%	9%	9%	7%	9%	9%	8%	8%
Very negative	10%	8%	12%	14%	8%	9%	11%	8%	18%	17%	5%
Not sure	2%	4%	1%	5%	4%	1%	1%	2%	3%	3%	5%
Totals	99%	100%	99%	99%	100%	100%	101%	100%	100%	99%	100%
Unweighted N	(1,147)	(523)	(624)	(249)	(234)	(390)	(274)	(733)	(141)	(173)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	23%	24%	22%	23%	28%	24%	25%	21%	23%	20%	24%	24%	22%
Somewhat positive	18%	22%	13%	20%	22%	20%	16%	23%	17%	20%	17%	17%	19%
Neutral	37%	32%	44%	35%	32%	39%	36%	34%	44%	37%	39%	35%	40%
Somewhat negative	9%	9%	8%	10%	9%	7%	8%	11%	8%	9%	10%	10%	7%
Very negative	10%	12%	9%	10%	9%	9%	13%	9%	4%	11%	9%	12%	7%
Not sure	2%	1%	4%	3%	0%	2%	2%	2%	3%	3%	1%	2%	5%
Totals	99%	100%	100%	101%	100%	101%	100%	100%	99%	100%	100%	100%	100%
Unweighted N	(1,147)	(379)	(465)	(303)	(399)	(384)	(498)	(320)	(230)	(207)	(250)	(428)	(262)

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3I. Feelings on Specific Insects and Bugs — Caterpillars
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	22%	18%	26%	20%	23%	21%	25%	24%	16%	15%	∗
Somewhat positive	24%	23%	24%	21%	20%	27%	25%	25%	25%	22%	∗
Neutral	37%	42%	33%	36%	40%	38%	35%	36%	37%	43%	∗
Somewhat negative	9%	9%	8%	10%	9%	7%	11%	8%	13%	9%	∗
Very negative	6%	5%	7%	9%	7%	5%	3%	5%	8%	10%	∗
Not sure	2%	3%	2%	4%	2%	2%	1%	2%	1%	1%	∗
Totals	100%	100%	100%	100%	101%	100%	100%	100%	100%	100%	∗
Unweighted N	(1,146)	(523)	(623)	(249)	(235)	(390)	(272)	(732)	(141)	(174)	(99)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	22%	24%	21%	20%	28%	24%	24%	22%	19%	18%	24%	22%	23%
Somewhat positive	24%	28%	22%	20%	25%	20%	24%	26%	20%	24%	20%	22%	29%
Neutral	37%	32%	42%	38%	30%	37%	34%	38%	45%	34%	40%	39%	35%
Somewhat negative	9%	9%	8%	10%	11%	10%	8%	8%	11%	15%	8%	8%	7%
Very negative	6%	5%	6%	7%	5%	7%	8%	4%	2%	5%	5%	8%	3%
Not sure	2%	1%	2%	4%	1%	2%	2%	1%	3%	4%	2%	1%	3%
Totals	100%	99%	101%	99%	100%	100%	100%	99%	100%	100%	99%	100%	100%
Unweighted N	(1,146)	(378)	(466)	(302)	(398)	(384)	(499)	(319)	(229)	(206)	(249)	(429)	(262)

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3J. Feelings on Specific Insects and Bugs — Grasshoppers
When you encounter the following outdoors, is your reaction typically. . . ?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	16%	13%	18%	13%	15%	16%	17%	18%	6%	10%	23%
Somewhat positive	22%	25%	20%	18%	20%	25%	24%	21%	34%	18%	19%
Neutral	39%	43%	36%	40%	43%	38%	35%	40%	37%	41%	34%
Somewhat negative	12%	10%	14%	12%	11%	12%	14%	13%	7%	12%	8%
Very negative	9%	6%	11%	14%	7%	8%	6%	7%	14%	13%	6%
Not sure	3%	4%	2%	3%	4%	1%	3%	1%	1%	6%	10%
Totals	101%	101%	101%	100%	100%	100%	99%	100%	99%	100%	100%
Unweighted N	(1,145)	(521)	(624)	(249)	(235)	(389)	(272)	(730)	(141)	(174)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	16%	18%	13%	16%	19%	16%	16%	17%	15%	15%	18%	13%	18%
Somewhat positive	22%	26%	19%	22%	24%	24%	24%	24%	21%	26%	18%	24%	20%
Neutral	39%	34%	45%	37%	37%	35%	38%	35%	43%	36%	44%	37%	40%
Somewhat negative	12%	11%	11%	14%	12%	15%	10%	14%	12%	11%	11%	12%	13%
Very negative	9%	9%	9%	8%	8%	9%	10%	8%	6%	7%	8%	12%	5%
Not sure	3%	1%	3%	4%	1%	1%	1%	3%	3%	4%	1%	2%	4%
Totals	101%	99%	100%	101%	101%	100%	99%	101%	100%	99%	100%	100%	100%
Unweighted N	(1,145)	(378)	(464)	(303)	(397)	(384)	(498)	(320)	(229)	(207)	(248)	(428)	(262)

YouGov Survey: Insects and Bugs
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3K. Feelings on Specific Insects and Bugs — Roly-polys
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	15%	12%	17%	16%	17%	15%	11%	16%	12%	11%	14%
Somewhat positive	16%	17%	15%	20%	18%	16%	10%	18%	11%	14%	12%
Neutral	37%	40%	34%	32%	41%	39%	33%	37%	40%	37%	29%
Somewhat negative	9%	9%	10%	15%	8%	9%	7%	9%	9%	13%	12%
Very negative	7%	5%	9%	9%	7%	7%	5%	6%	11%	10%	5%
Not sure	16%	18%	14%	8%	10%	14%	33%	15%	16%	15%	28%
Totals	100%	101%	99%	100%	101%	100%	99%	101%	99%	100%	100%
Unweighted N	(1,143)	(520)	(623)	(248)	(235)	(389)	(271)	(729)	(140)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	15%	16%	15%	13%	18%	15%	17%	15%	10%	10%	12%	17%	17%
Somewhat positive	16%	18%	12%	18%	18%	14%	14%	19%	14%	11%	12%	19%	19%
Neutral	37%	33%	43%	34%	32%	37%	37%	34%	42%	38%	44%	34%	34%
Somewhat negative	9%	13%	7%	9%	10%	7%	10%	8%	10%	8%	8%	11%	10%
Very negative	7%	6%	8%	8%	6%	9%	8%	5%	6%	9%	7%	8%	5%
Not sure	16%	14%	16%	19%	15%	18%	15%	18%	18%	25%	17%	12%	16%
Totals	100%	100%	101%	101%	99%	100%	101%	99%	100%	101%	100%	101%	101%
Unweighted N	(1,143)	(377)	(464)	(302)	(397)	(384)	(498)	(316)	(230)	(207)	(248)	(428)	(260)

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3L. Feelings on Specific Insects and Bugs — Moths
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	10%	11%	10%	8%	12%	10%	10%	11%	10%	7%	11%
Somewhat positive	15%	14%	15%	12%	15%	16%	14%	15%	13%	13%	18%
Neutral	38%	38%	38%	35%	40%	39%	36%	39%	35%	35%	39%
Somewhat negative	19%	21%	18%	19%	16%	21%	22%	21%	16%	18%	16%
Very negative	15%	13%	18%	23%	13%	12%	15%	13%	22%	23%	10%
Not sure	2%	3%	2%	3%	3%	2%	2%	2%	3%	5%	5%
Totals	99%	100%	101%	100%	99%	100%	99%	101%	99%	101%	99%
Unweighted N	(1,147)	(523)	(624)	(249)	(235)	(390)	(273)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	10%	11%	11%	9%	12%	11%	12%	10%	6%	5%	12%	10%	14%
Somewhat positive	15%	16%	12%	16%	15%	15%	16%	16%	11%	15%	13%	16%	14%
Neutral	38%	34%	45%	34%	36%	37%	38%	36%	44%	42%	36%	39%	35%
Somewhat negative	19%	23%	15%	21%	22%	20%	16%	20%	25%	18%	24%	17%	20%
Very negative	15%	15%	14%	17%	15%	15%	17%	15%	11%	16%	15%	16%	14%
Not sure	2%	1%	2%	4%	0%	2%	1%	3%	3%	4%	0%	3%	4%
Totals	99%	100%	99%	101%	100%	100%	100%	100%	100%	100%	100%	101%	101%
Unweighted N	(1,147)	(378)	(466)	(303)	(398)	(385)	(499)	(319)	(230)	(207)	(250)	(429)	(261)

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3M. Feelings on Specific Insects and Bugs — Spotted lanternflies
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	10%	9%	10%	6%	9%	11%	13%	9%	6%	16%	*
Somewhat positive	9%	10%	9%	12%	9%	9%	7%	8%	17%	13%	*
Neutral	29%	33%	26%	28%	33%	28%	29%	29%	33%	31%	*
Somewhat negative	8%	9%	7%	9%	7%	9%	7%	8%	10%	7%	*
Very negative	17%	15%	20%	22%	18%	17%	13%	18%	15%	12%	*
Not sure	26%	25%	28%	22%	25%	26%	31%	28%	18%	21%	*
Totals	99%	101%	100%	99%	101%	100%	100%	100%	99%	100%	*
Unweighted N	(1,142)	(522)	(620)	(248)	(234)	(389)	(271)	(731)	(139)	(173)	(99)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	10%	12%	8%	9%	11%	8%	9%	12%	8%	7%	8%	11%	11%
Somewhat positive	9%	12%	9%	8%	9%	7%	8%	12%	10%	6%	11%	9%	12%
Neutral	29%	26%	34%	28%	24%	32%	32%	26%	28%	17%	32%	34%	29%
Somewhat negative	8%	9%	8%	8%	10%	8%	8%	7%	9%	12%	7%	9%	4%
Very negative	17%	16%	16%	21%	18%	18%	19%	14%	16%	45%	13%	14%	5%
Not sure	26%	25%	26%	27%	27%	27%	24%	28%	29%	13%	29%	23%	38%
Totals	99%	100%	101%	101%	99%	100%	100%	99%	100%	100%	100%	100%	99%
Unweighted N	(1,142)	(376)	(464)	(302)	(397)	(384)	(496)	(318)	(229)	(205)	(250)	(426)	(261)

YouGov

3N. Feelings on Specific Insects and Bugs — June bugs

When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	9%	9%	8%	5%	7%	10%	11%	10%	6%	6%	7%
Somewhat positive	11%	12%	9%	6%	10%	13%	13%	11%	13%	8%	9%
Neutral	37%	42%	33%	36%	44%	36%	33%	37%	43%	30%	44%
Somewhat negative	16%	17%	15%	18%	12%	17%	18%	18%	15%	15%	7%
Very negative	15%	7%	21%	19%	12%	14%	13%	14%	17%	19%	6%
Not sure	12%	12%	13%	16%	14%	9%	11%	10%	5%	22%	28%
Totals	100%	99%	99%	100%	99%	99%	99%	100%	99%	100%	101%
Unweighted N	(1,147)	(523)	(624)	(249)	(235)	(390)	(273)	(732)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	9%	10%	8%	8%	10%	10%	10%	7%	8%	4%	9%	10%	9%
Somewhat positive	11%	12%	8%	12%	13%	11%	13%	9%	10%	12%	8%	11%	12%
Neutral	37%	35%	42%	35%	37%	35%	38%	40%	38%	43%	35%	40%	31%
Somewhat negative	16%	17%	14%	18%	16%	19%	13%	19%	18%	9%	22%	17%	15%
Very negative	15%	13%	14%	17%	11%	17%	17%	13%	12%	17%	18%	13%	12%
Not sure	12%	14%	13%	11%	14%	7%	10%	13%	13%	15%	7%	10%	21%
Totals	100%	101%	99%	101%	101%	99%	101%	101%	99%	100%	99%	101%	100%
Unweighted N	(1,147)	(378)	(466)	(303)	(398)	(385)	(499)	(319)	(230)	(207)	(250)	(429)	(261)

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3O. Feelings on Specific Insects and Bugs — Cicadas
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	8%	9%	7%	6%	8%	9%	8%	8%	6%	7%	13%
Somewhat positive	8%	9%	8%	6%	9%	9%	8%	9%	8%	8%	4%
Neutral	35%	39%	31%	27%	42%	34%	34%	34%	37%	34%	36%
Somewhat negative	18%	21%	16%	22%	16%	18%	18%	19%	17%	16%	14%
Very negative	23%	14%	31%	30%	18%	22%	23%	23%	25%	27%	12%
Not sure	8%	9%	7%	9%	7%	8%	8%	7%	8%	8%	21%
Totals	100%	101%	100%	100%	100%	100%	99%	100%	101%	100%	100%
Unweighted N	(1,146)	(523)	(623)	(249)	(235)	(388)	(274)	(731)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	8%	9%	7%	9%	9%	8%	9%	10%	5%	3%	9%	10%	8%
Somewhat positive	8%	8%	8%	9%	11%	7%	8%	10%	6%	5%	6%	10%	8%
Neutral	35%	32%	39%	32%	35%	33%	37%	31%	37%	31%	35%	36%	35%
Somewhat negative	18%	20%	15%	19%	17%	17%	15%	21%	22%	21%	19%	19%	14%
Very negative	23%	24%	21%	24%	22%	27%	23%	21%	23%	30%	27%	20%	18%
Not sure	8%	7%	10%	8%	7%	8%	7%	8%	7%	10%	3%	5%	17%
Totals	100%	100%	100%	101%	101%	100%	99%	101%	100%	100%	99%	100%	100%
Unweighted N	(1,146)	(379)	(466)	(301)	(399)	(383)	(499)	(320)	(229)	(206)	(250)	(428)	(262)

3P. Feelings on Specific Insects and Bugs — Spiders

When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	7%	8%	6%	6%	6%	7%	8%	7%	6%	6%	6%
Somewhat positive	12%	13%	11%	10%	15%	10%	13%	12%	9%	12%	15%
Neutral	23%	27%	20%	24%	27%	23%	20%	24%	22%	21%	30%
Somewhat negative	23%	23%	22%	19%	16%	25%	31%	22%	24%	22%	22%
Very negative	34%	28%	40%	38%	35%	34%	29%	33%	39%	39%	27%
Not sure	1%	2%	0%	3%	2%	0%	0%	2%	0%	0%	0%
Totals	100%	101%	99%	100%	101%	99%	101%	100%	100%	100%	100%
Unweighted N	(1,146)	(521)	(625)	(249)	(235)	(390)	(272)	(731)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	7%	8%	7%	6%	10%	7%	7%	7%	7%	6%	9%	7%	6%
Somewhat positive	12%	17%	8%	10%	20%	11%	14%	9%	13%	14%	8%	11%	16%
Neutral	23%	20%	30%	20%	23%	23%	19%	26%	29%	28%	23%	22%	24%
Somewhat negative	23%	23%	22%	23%	20%	22%	21%	25%	24%	13%	24%	23%	28%
Very negative	34%	32%	33%	38%	27%	36%	39%	33%	24%	38%	36%	37%	25%
Not sure	1%	0%	1%	3%	0%	1%	1%	0%	2%	2%	1%	1%	2%
Totals	100%	100%	101%	100%	100%	100%	101%	100%	99%	101%	101%	101%	101%
Unweighted N	(1,146)	(379)	(464)	(303)	(398)	(384)	(499)	(320)	(228)	(207)	(250)	(428)	(261)

3Q. Feelings on Specific Insects and Bugs — Ants
When you encounter the following outdoors, is your reaction typically. . . ?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	5%	5%	5%	6%	4%	6%	2%	4%	8%	6%	0%
Somewhat positive	10%	11%	9%	11%	9%	9%	10%	10%	15%	5%	8%
Neutral	32%	34%	30%	37%	37%	27%	29%	31%	30%	37%	40%
Somewhat negative	25%	27%	23%	23%	24%	23%	32%	26%	19%	27%	27%
Very negative	26%	20%	33%	18%	22%	35%	27%	27%	28%	24%	20%
Not sure	2%	3%	1%	4%	3%	0%	0%	2%	1%	1%	5%
Totals	100%	100%	101%	99%	99%	100%	100%	100%	101%	100%	100%
Unweighted N	(1,146)	(523)	(623)	(249)	(235)	(389)	(273)	(731)	(141)	(174)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	5%	6%	5%	2%	5%	5%	7%	3%	2%	4%	5%	5%	3%
Somewhat positive	10%	14%	6%	9%	12%	8%	11%	11%	8%	9%	6%	10%	12%
Neutral	32%	29%	39%	28%	33%	28%	29%	36%	34%	41%	31%	28%	34%
Somewhat negative	25%	26%	25%	24%	28%	26%	22%	27%	28%	22%	27%	24%	28%
Very negative	26%	23%	22%	35%	22%	32%	30%	21%	25%	20%	29%	32%	19%
Not sure	2%	0%	2%	3%	0%	2%	1%	2%	2%	3%	1%	1%	3%
Totals	100%	98%	99%	101%	100%	101%	100%	100%	99%	99%	99%	100%	99%
Unweighted N	(1,146)	(378)	(466)	(302)	(398)	(384)	(498)	(319)	(230)	(207)	(250)	(429)	(260)

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3R. Feelings on Specific Insects and Bugs — Wasps
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	3%	4%	2%	3%	3%	3%	2%	2%	8%	3%	1%
Somewhat positive	4%	4%	4%	5%	3%	3%	5%	4%	4%	4%	4%
Neutral	15%	16%	14%	15%	23%	12%	12%	13%	19%	23%	16%
Somewhat negative	22%	23%	22%	19%	23%	21%	28%	23%	18%	22%	26%
Very negative	53%	50%	57%	56%	45%	60%	51%	56%	50%	44%	50%
Not sure	2%	3%	1%	3%	3%	0%	3%	1%	2%	4%	2%
Totals	99%	100%	100%	101%	100%	99%	101%	99%	101%	100%	99%
Unweighted N	(1,144)	(522)	(622)	(249)	(234)	(389)	(272)	(729)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	3%	4%	3%	2%	4%	3%	4%	2%	3%	2%	4%	4%	1%
Somewhat positive	4%	5%	4%	3%	5%	4%	4%	6%	2%	3%	3%	5%	5%
Neutral	15%	14%	18%	14%	14%	14%	16%	15%	14%	11%	11%	15%	23%
Somewhat negative	22%	24%	21%	23%	24%	23%	21%	22%	28%	20%	25%	23%	21%
Very negative	53%	52%	53%	55%	52%	55%	54%	54%	51%	62%	58%	51%	47%
Not sure	2%	1%	1%	4%	0%	1%	1%	2%	2%	3%	0%	2%	2%
Totals	99%	100%	100%	101%	99%	100%	100%	101%	100%	101%	101%	100%	99%
Unweighted N	(1,144)	(377)	(466)	(301)	(397)	(384)	(499)	(317)	(230)	(207)	(248)	(428)	(261)

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3S. Feelings on Specific Insects and Bugs — Cockroaches
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	3%	2%	3%	4%	2%	3%	1%	2%	6%	1%	*
Somewhat positive	2%	3%	1%	4%	2%	1%	1%	1%	5%	4%	*
Neutral	9%	11%	8%	11%	16%	7%	3%	8%	12%	9%	*
Somewhat negative	11%	13%	10%	14%	11%	9%	13%	12%	10%	12%	*
Very negative	73%	69%	77%	63%	66%	78%	82%	74%	66%	72%	*
Not sure	2%	2%	1%	3%	2%	1%	1%	2%	1%	1%	*
Totals	100%	100%	100%	99%	99%	99%	101%	99%	100%	99%	*
Unweighted N	(1,144)	(522)	(622)	(249)	(235)	(388)	(272)	(730)	(141)	(174)	(99)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	3%	3%	2%	2%	3%	2%	4%	2%	0%	2%	2%	4%	2%
Somewhat positive	2%	4%	1%	2%	3%	1%	2%	2%	2%	2%	2%	2%	2%
Neutral	9%	9%	13%	5%	10%	7%	8%	9%	11%	9%	6%	7%	15%
Somewhat negative	11%	11%	15%	8%	13%	10%	13%	10%	11%	8%	9%	10%	18%
Very negative	73%	72%	68%	80%	70%	78%	72%	74%	73%	76%	81%	76%	59%
Not sure	2%	1%	2%	3%	1%	2%	1%	2%	2%	3%	1%	0%	4%
Totals	100%	100%	101%	100%	100%	100%	100%	99%	99%	100%	101%	99%	100%
Unweighted N	(1,144)	(379)	(462)	(303)	(399)	(383)	(497)	(319)	(230)	(206)	(248)	(429)	(261)

3T. Feelings on Specific Insects and Bugs — Mosquitoes
When you encounter the following outdoors, is your reaction typically. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very positive	2%	3%	2%	3%	3%	3%	0%	2%	5%	5%	0%
Somewhat positive	2%	2%	2%	3%	4%	1%	1%	2%	5%	3%	1%
Neutral	8%	9%	8%	14%	11%	5%	6%	6%	16%	15%	6%
Somewhat negative	17%	19%	14%	18%	12%	16%	20%	18%	18%	10%	9%
Very negative	69%	66%	73%	60%	69%	75%	72%	71%	57%	67%	81%
Not sure	1%	2%	0%	2%	2%	0%	1%	1%	1%	0%	3%
Totals	99%	101%	99%	100%	101%	100%	100%	100%	102%	100%	100%
Unweighted N	(1,145)	(523)	(622)	(249)	(235)	(389)	(272)	(730)	(141)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very positive	2%	4%	2%	1%	3%	2%	3%	2%	1%	1%	2%	3%	2%
Somewhat positive	2%	3%	1%	2%	3%	2%	3%	1%	1%	3%	1%	2%	4%
Neutral	8%	9%	8%	8%	8%	8%	9%	8%	7%	7%	7%	9%	10%
Somewhat negative	17%	16%	21%	12%	15%	15%	19%	13%	17%	14%	22%	15%	17%
Very negative	69%	67%	68%	74%	70%	73%	65%	74%	72%	72%	68%	71%	66%
Not sure	1%	0%	1%	2%	0%	1%	0%	1%	2%	3%	0%	1%	2%
Totals	99%	99%	101%	99%	99%	101%	99%	99%	100%	100%	100%	101%	101%
Unweighted N	(1,145)	(377)	(466)	(302)	(397)	(384)	(499)	(319)	(229)	(207)	(250)	(427)	(261)

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4. Touch or Pick Up Insects and Bugs
When you are outdoors and encounter a harmless insect or bug that interests you, how often do you attempt to touch it or pick it up?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Always	2%	2%	2%	2%	2%	3%	0%	1%	4%	2%	6%
Usually	5%	4%	5%	7%	6%	3%	2%	3%	7%	9%	5%
Sometimes	19%	17%	20%	24%	20%	14%	20%	19%	23%	13%	19%
Rarely	32%	38%	27%	27%	29%	35%	36%	35%	24%	25%	35%
Never	40%	35%	45%	36%	39%	43%	40%	39%	40%	48%	35%
Not sure	2%	3%	2%	4%	4%	1%	1%	3%	2%	3%	0%
Totals	100%	99%	101%	100%	100%	99%	99%	100%	100%	100%	100%
Unweighted N	(1,147)	(523)	(624)	(249)	(234)	(390)	(274)	(733)	(140)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Always	2%	2%	2%	3%	2%	2%	3%	1%	0%	1%	4%	2%	1%
Usually	5%	7%	4%	2%	4%	3%	5%	5%	4%	4%	6%	3%	6%
Sometimes	19%	20%	17%	20%	20%	16%	20%	21%	13%	17%	17%	22%	17%
Rarely	32%	34%	31%	32%	37%	34%	29%	36%	36%	34%	31%	31%	35%
Never	40%	36%	44%	40%	37%	43%	41%	36%	43%	42%	41%	40%	37%
Not sure	2%	1%	3%	3%	0%	3%	2%	1%	3%	2%	1%	2%	5%
Totals	100%	100%	101%	100%	100%	101%	100%	100%	99%	100%	100%	100%	101%
Unweighted N	(1,147)	(378)	(466)	(303)	(398)	(385)	(498)	(320)	(230)	(207)	(250)	(428)	(262)

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5. Kill Insects and Bugs Harmful to You
When you are outdoors and encounter an insect or bug that you consider to be harmful to you, how often do you attempt to kill it?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Always	14%	12%	15%	13%	10%	16%	16%	13%	15%	10%	19%
Usually	19%	20%	17%	16%	16%	19%	24%	19%	10%	27%	21%
Sometimes	30%	30%	30%	23%	34%	32%	30%	32%	26%	27%	26%
Rarely	20%	20%	21%	26%	22%	17%	18%	20%	28%	13%	25%
Never	14%	14%	14%	18%	13%	14%	11%	13%	19%	19%	6%
Not sure	3%	3%	3%	5%	6%	2%	1%	4%	2%	4%	3%
Totals	100%	99%	100%	101%	101%	100%	100%	101%	100%	100%	100%
Unweighted N	(1,144)	(522)	(622)	(247)	(235)	(390)	(272)	(733)	(139)	(172)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Always	14%	11%	13%	17%	10%	16%	19%	9%	8%	14%	14%	16%	10%
Usually	19%	17%	15%	24%	15%	22%	18%	21%	21%	20%	19%	19%	17%
Sometimes	30%	30%	28%	32%	32%	33%	30%	27%	36%	30%	29%	32%	27%
Rarely	20%	26%	23%	12%	31%	17%	18%	27%	17%	15%	19%	22%	23%
Never	14%	16%	15%	11%	13%	9%	14%	13%	12%	15%	16%	10%	18%
Not sure	3%	0%	6%	4%	1%	4%	2%	3%	6%	6%	3%	2%	5%
Totals	100%	100%	100%	100%	102%	101%	101%	100%	100%	100%	100%	101%	100%
Unweighted N	(1,144)	(376)	(465)	(303)	(397)	(385)	(497)	(319)	(230)	(207)	(248)	(428)	(261)

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6. Kill Insects and Bugs Harmful to the Environment

When you are outdoors and encounter an insect or bug that you consider to be harmful to the environment, how often do you attempt to kill it?

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Always	17%	15%	19%	17%	15%	17%	19%	16%	15%	18%	29%
Usually	21%	22%	21%	22%	21%	19%	23%	23%	16%	20%	15%
Sometimes	23%	23%	23%	22%	19%	24%	28%	24%	17%	26%	20%
Rarely	13%	14%	12%	14%	18%	11%	11%	11%	24%	13%	13%
Never	13%	13%	12%	13%	14%	15%	8%	11%	20%	17%	10%
Not sure	13%	13%	13%	12%	14%	14%	11%	15%	7%	7%	13%
Totals	100%	100%	100%	100%	101%	100%	100%	100%	99%	101%	100%
Unweighted N	(1,144)	(521)	(623)	(248)	(234)	(389)	(273)	(731)	(139)	(174)	(100)

		Party ID			2024 Vote Intent		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Always	17%	16%	16%	19%	18%	18%	18%	17%	14%	27%	17%	17%	9%
Usually	21%	22%	20%	22%	20%	20%	20%	21%	24%	22%	24%	19%	22%
Sometimes	23%	27%	21%	22%	25%	25%	23%	22%	22%	25%	22%	25%	20%
Rarely	13%	13%	14%	13%	15%	13%	14%	16%	12%	6%	14%	15%	15%
Never	13%	11%	17%	9%	10%	11%	15%	11%	11%	11%	12%	12%	16%
Not sure	13%	11%	14%	14%	14%	13%	10%	12%	17%	9%	12%	12%	18%
Totals	100%	100%	102%	99%	102%	100%	100%	99%	100%	100%	101%	100%	100%
Unweighted N	(1,144)	(377)	(465)	(302)	(397)	(384)	(497)	(319)	(229)	(207)	(249)	(426)	(262)

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7. Change in Insects and Bugs

Compared to when you were outdoors growing up, these days do you notice. . . ?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
More insects and bugs	23%	18%	27%	29%	22%	25%	14%	23%	24%	20%	*
About the same number of insects and bugs	44%	49%	38%	42%	45%	41%	48%	43%	39%	53%	*
Fewer insects and bugs	19%	18%	20%	15%	14%	22%	25%	19%	22%	15%	*
Not sure	14%	15%	14%	14%	19%	13%	12%	15%	15%	12%	*
Totals	100%	100%	99%	100%	100%	101%	99%	100%	100%	100%	*
Unweighted N	(1,144)	(522)	(622)	(248)	(233)	(390)	(273)	(732)	(140)	(173)	(99)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
More insects and bugs	23%	20%	22%	26%	20%	21%	25%	21%	18%	27%	23%	24%	16%
About the same number of insects and bugs	44%	38%	41%	53%	37%	56%	44%	45%	44%	37%	44%	45%	46%
Fewer insects and bugs	19%	27%	19%	11%	31%	12%	18%	22%	21%	17%	20%	20%	19%
Not sure	14%	14%	18%	11%	12%	11%	12%	12%	18%	18%	14%	11%	18%
Totals	100%	99%	100%	101%	100%	100%	99%	100%	101%	99%	101%	100%	99%
Unweighted N	(1,144)	(377)	(464)	(303)	(397)	(385)	(495)	(320)	(230)	(207)	(249)	(427)	(261)

8. Effect of Climate Change on Insects and Bugs
Would you say that climate change has…?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased the overall number of insects and bugs	20%	18%	21%	21%	19%	22%	17%	17%	25%	27%	24%
Had no effect on the number of insects and bugs	26%	30%	21%	27%	21%	24%	32%	26%	23%	28%	24%
Decreased the overall number of insects and bugs	16%	13%	19%	18%	17%	14%	18%	17%	14%	16%	15%
The climate is not changing	6%	8%	4%	2%	4%	8%	8%	7%	3%	5%	5%
Not sure	32%	30%	34%	31%	39%	32%	25%	33%	34%	25%	33%
Totals	100%	99%	99%	99%	100%	100%	100%	100%	99%	101%	101%
Unweighted N	(1,145)	(523)	(622)	(248)	(235)	(389)	(273)	(733)	(138)	(174)	(100)

	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased the overall number of insects and bugs	20%	24%	17%	18%	22%	13%	23%	19%	14%	23%	19%	19%	19%
Had no effect on the number of insects and bugs	26%	15%	24%	38%	13%	41%	26%	25%	26%	22%	26%	28%	24%
Decreased the overall number of insects and bugs	16%	29%	12%	8%	29%	8%	15%	18%	20%	17%	15%	17%	17%

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	Total	Party ID			2024 Vote Intent		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
The climate is not changing	6%	0%	6%	12%	0%	14%	6%	6%	4%	4%	8%	6%	6%
Not sure	32%	32%	40%	24%	36%	24%	30%	32%	35%	35%	32%	30%	35%
Totals	100%	100%	99%	100%	100%	100%	100%	100%	99%	101%	100%	100%	101%
Unweighted N	(1,145)	(377)	(465)	(303)	(398)	(385)	(496)	(320)	(230)	(206)	(249)	(428)	(262)

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Interviewing Dates	June 14 - 17, 2024
Target population	U.S. citizens, aged 18 and over.
Sampling method	Respondents were selected from YouGov's opt-in Internet panel using sample matching. A random sample (stratified by gender, age, race, education, geographic region, and voter registration) was selected from the 2019 American Community Survey.
Weighting	The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to November 1, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 31% Republican). The weights range from 0.051 to 5.038, with a mean of one and a standard deviation of 0.706.
Number of respondents	1148
Margin of error	$\pm$ 3.5% (adjusted for weighting)
Survey mode	Web-based interviews
Questions not reported	101 questions not reported.