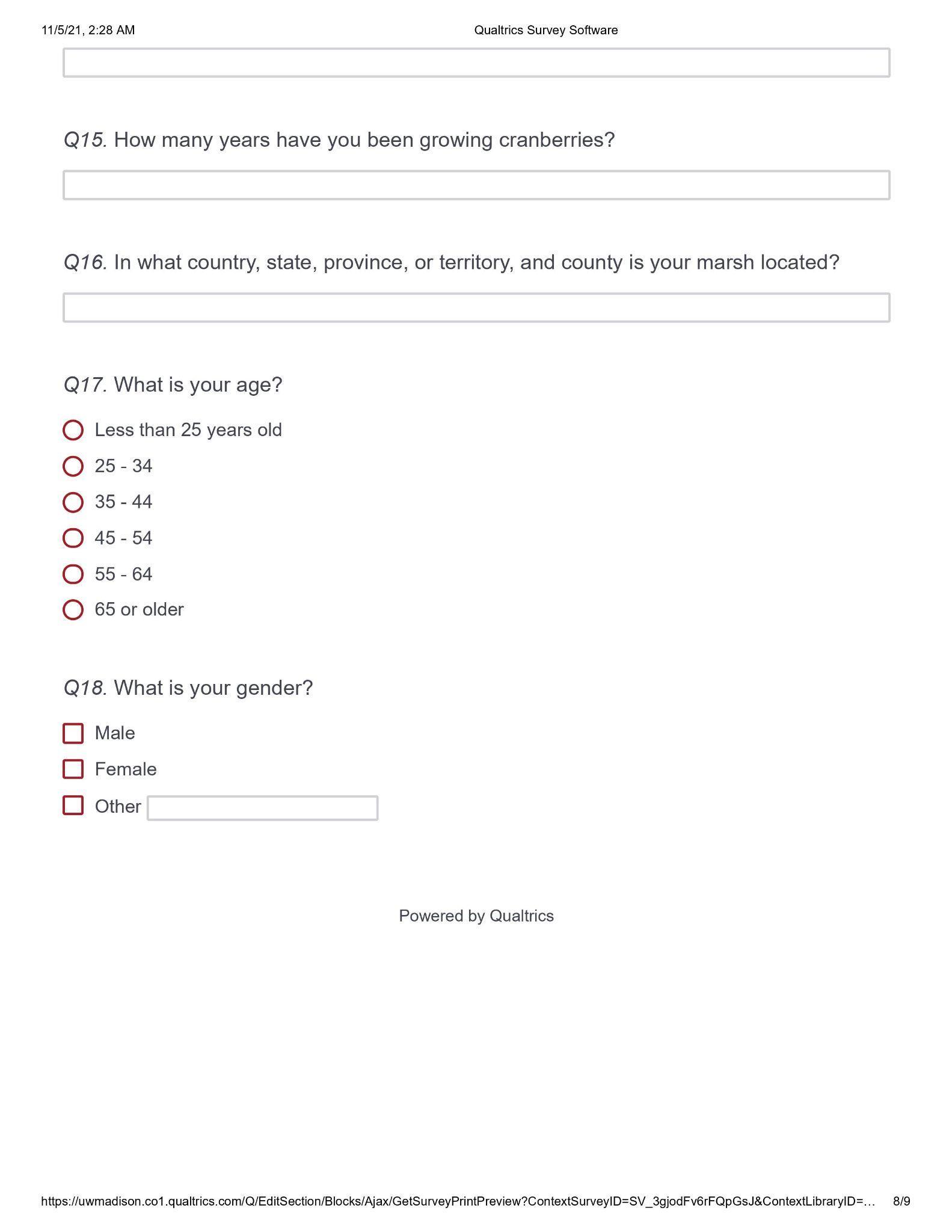
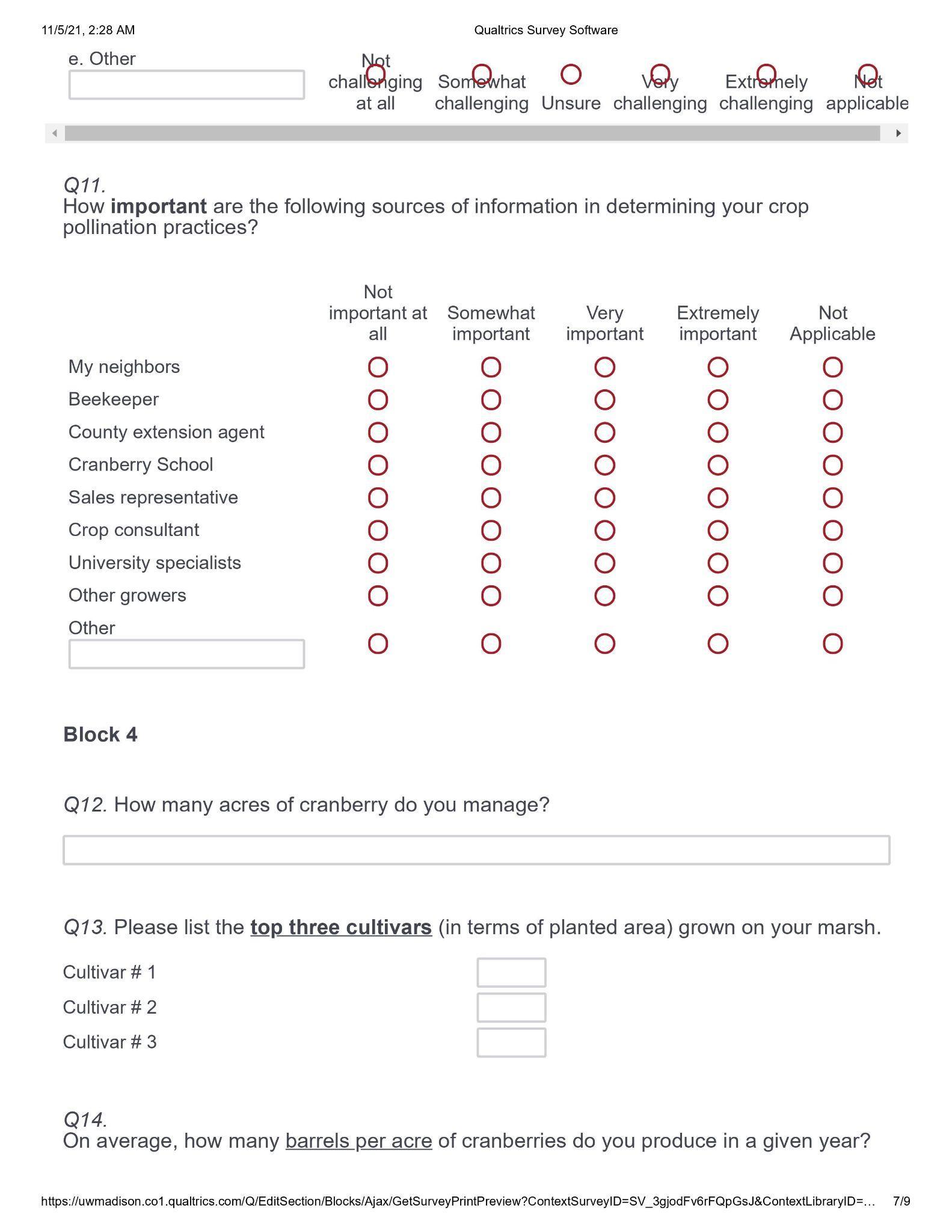
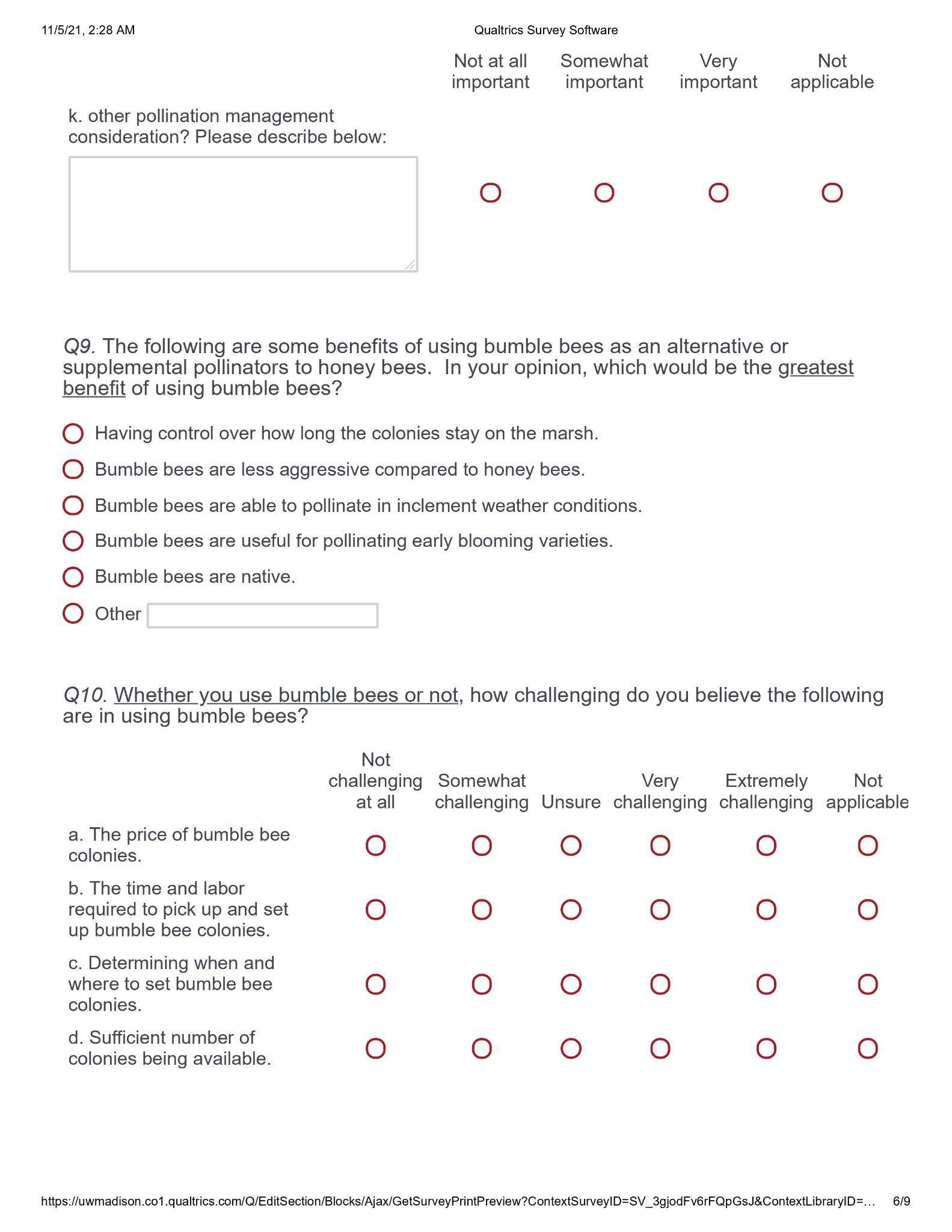
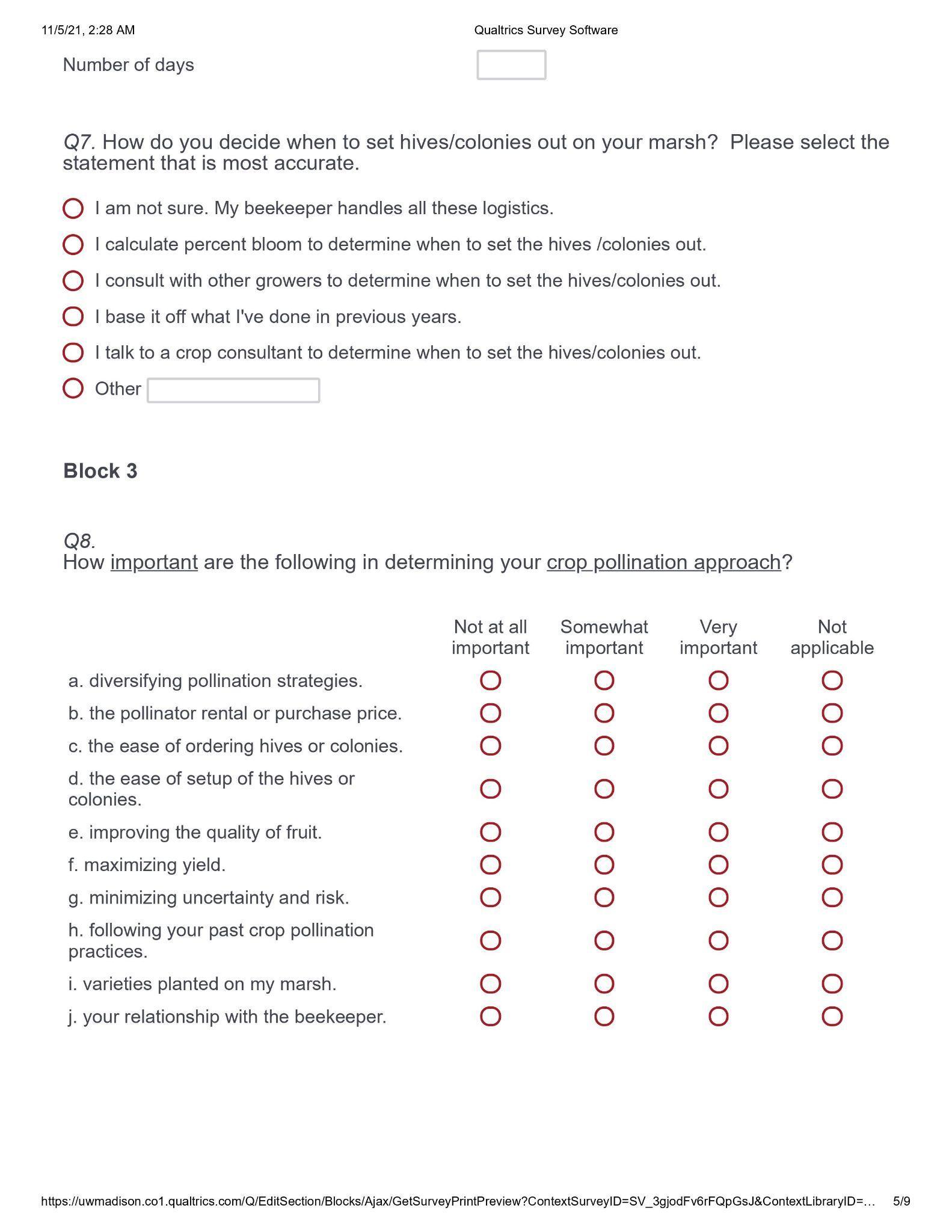
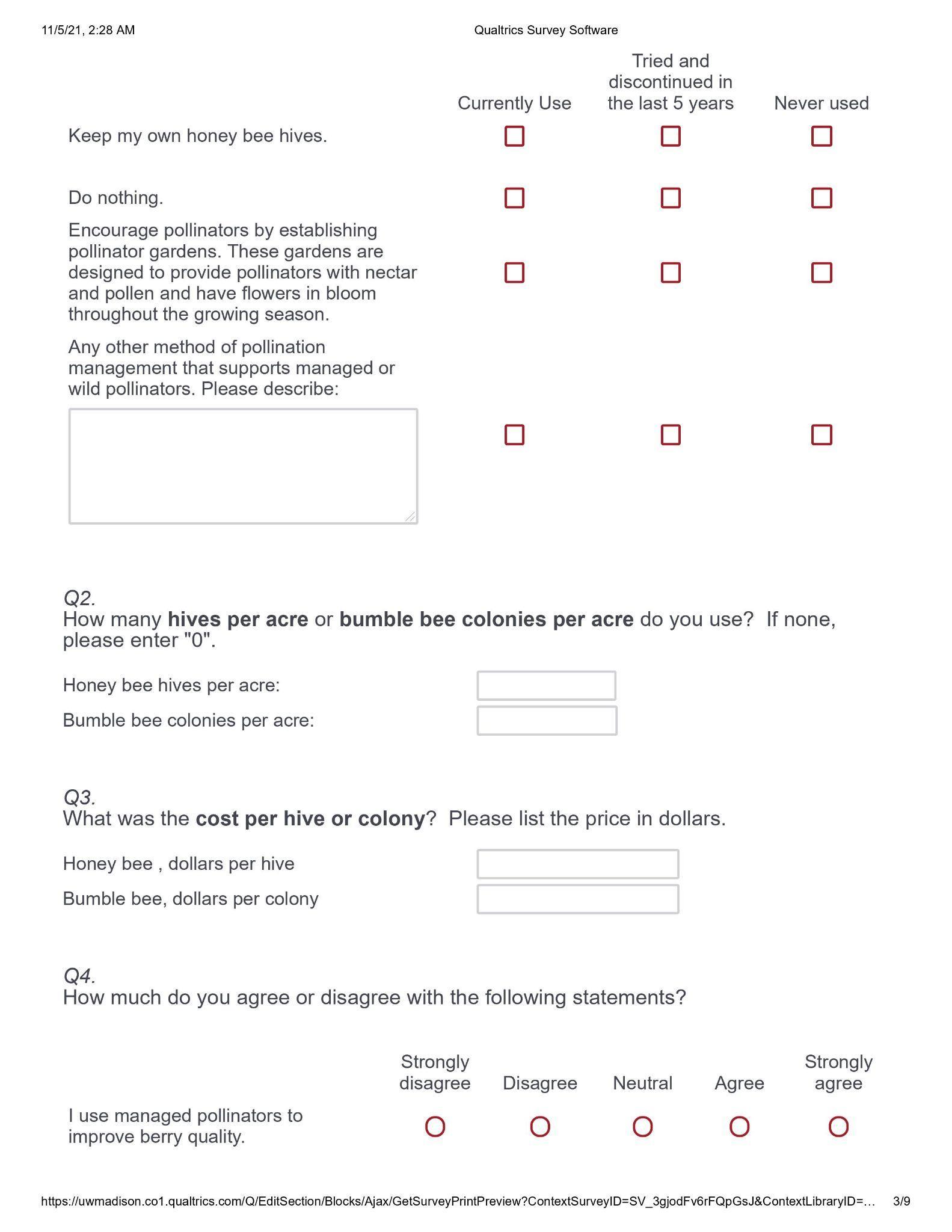
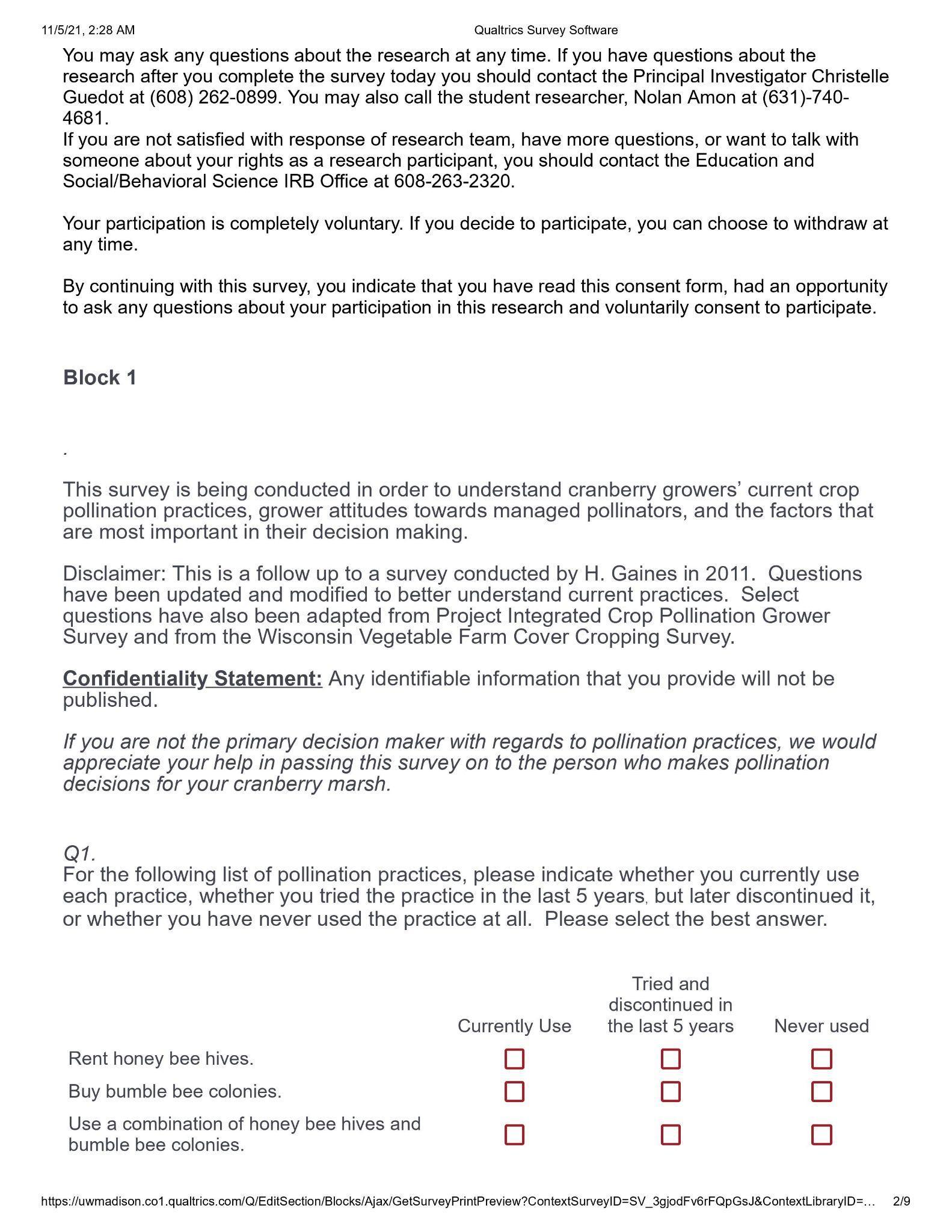
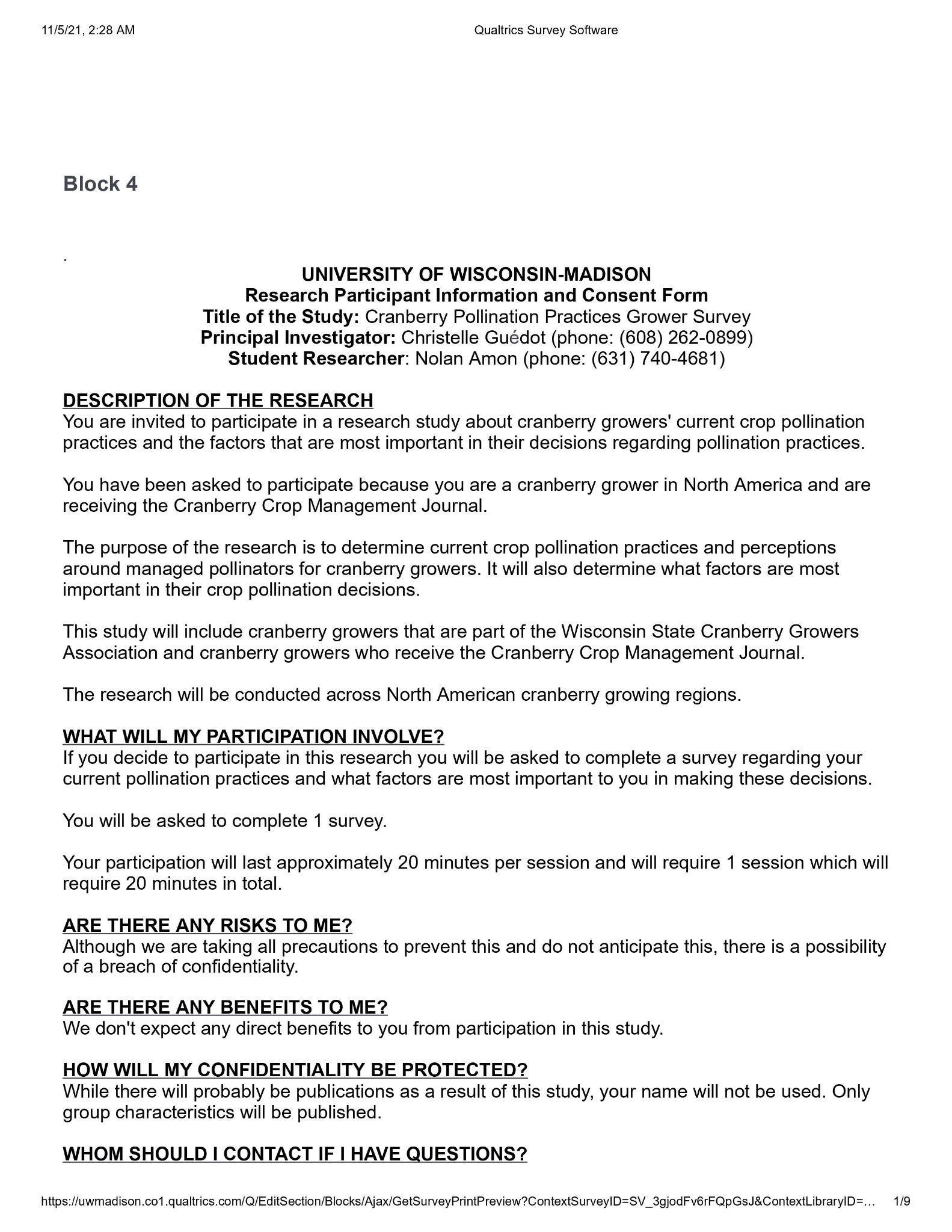
**Supplemental Information:**

Supplemental Information 1. English-language survey distributed to cranberry growers.



Supplemental Information 2. Top cranberry cultivars planted on farms in Wisconsin and Quebec.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***N* responding** | | **Percent responses** | |
| **What are the most common cranberry cultivars grown on your farm?** | **WI** | **QC** | **WI** | **QC** |
| Most planted cultivar | 52 | 21 | Stevens: 94.23%  BG: 1.92%  GH1: 1.92%  Mullica Queen: 1.92% | Stevens: 100.00% |
| Second most planted cultivar | 45 | 20 | Mullica Queen: 26.68%  GH1: 15.56%  Ben Lear: 8.89%  Pilgrim: 8.89%  Crimson Queen: 6.67%  Sundance: 6.67%  Granite Red: 4.44%  Hyred: 4.44%  Macfarlin: 4.44%  Searles: 4.44%  BG: 2.22%  Demoranville: 2.22%  Grygleski: 2.22%  Stevens: 2.22% | Mullica Queen: 45.00%  Ben Lear: 25.00%  Pilgrim: 10.00%  Sundance: 10.00%  Demoranville: 5.00%  HyRed: 5.00% |

Supplemental Information 3. Assortment of questions that did not fit precisely into another table or figure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***N* responding** | | **Percent responses** | |
| **Statement** | **WI** | **QC** | **WI** | **QC** |
| In the last 5 years, I have noticed a decline in the availability of honey bee hives. | 56 | 22 | **Disagree/strongly disagree: 50.00%**  Neutral: 28.57%  Agree/strongly agree: 21.43% | **Disagree/strongly disagree: 63.64%**  Neutral: 27.27%  Agree/strongly agree: 9.09% |
| In the last 5 years, I have noticed a decline in the quality of honey bee hives. | 56 | 22 | **Disagree/strongly disagree: 50.00%**  Neutral: 32.14%  Agree/strongly agree: 17.86% | Disagree/strongly disagree: 18.18%  **Neutral: 40.91%**  **Agree/strongly agree: 40.91%** |
| I use managed pollinators for peace of mind/insurance. | 55 | 22 | Disagree/strongly disagree: 14.55%  Neutral:27.27%  **Agree/strongly agree: 58.18%** | Disagree/strongly disagree: 0.00%  Neutral: 4.55%  **Agree/strongly agree: 95.45%** |

Supplemental Information 4. Grower perceptions of factors influencing cranberry crop pollination approaches.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***N* responding** | | **Percent responses** | |
| **How important are the following in determining your crop pollination approach?** | **WI** | **QC** | **WI** | **QC** |
| Diversifying pollination strategies | 56 | 22 | Not important: 3.57%  **Somewhat important: 51.79%**  Very important: 32.14%  Not applicable: 12.50% | Not important: 0.00%  **Somewhat important: 50.00%**  Very important: 45.45%  Not applicable: 4.55% |
| Pollinator rental or purchase price | 56 | 22 | Not important: 7.14%  **Somewhat important: 53.57%**  Very important: 37.50%  Not applicable: 1.79% | Not important: 13.64%  **Somewhat important: 45.45%**  Very important: 40.91%  Not applicable: 0.00% |
| Ease of ordering pollinators | 56 | 22 | Not important: 8.93%  **Somewhat important: 44.64%**  Very important: 41.07%  Not applicable: 5.36% | Not important: 4.55%,  Somewhat important: 45.45%  **Very important: 50.00%**  Not applicable: 0.00% |
| Ease of setting up pollinators | 56 | 22 | Not important: 8.93%  **Somewhat important: 48.21%**  Very important: 41.07%  Not applicable: 1.79% | Not important: 9.09%  Somewhat important: 31.82%  **Very important: 45.45%**  Not applicable: 13.64% |
| Improving fruit quality | 56 | 22 | Not important: 1.79%  Somewhat important: 14.29%  **Very important: 80.33%**  Not applicable: 3.57% | Not important: 4.55%  **Somewhat important: 45.45%**  **Very important: 45.45%**  Not applicable: 4.55% |
| Improving yield | 56 | 22 | Not important: 0.00%  Somewhat important: 1.79%  **Very important: 98.21%**  Not applicable: 0.00% | Not important: 0.00%  Somewhat important: 18.18%  **Very important: 81.82%**  Not applicable: 0.00% |
| Minimizing uncertainty/risk | 56 | 22 | Not important: 5.36%  Somewhat important: 23.21%  **Very important: 67.86%**  Not applicable: 3.57% | Not important: 0.00%  Somewhat important: 45.45%  **Very important: 50.00%**  Not applicable: 4.55% |
| Following past practices | 56 | 22 | Not important: 12.50%  **Somewhat important: 58.93%**  Very important: 26.78%  Not applicable: 1.79% | **Not important: 45.45%**  Somewhat important: 31.82%  Very important: 13.64%  Not applicable: 9.09%, |
| Varieties planted on farm | 56 | 22 | Not important: 10.71%  **Somewhat important: 44.64%**  Very important: 41.08%  Not applicable: 3.57% | Not important: 9.09%  **Somewhat important: 45.45%**  Very important: 31.82%  Not applicable: 13.64% |
| Your relationship with your beekeeper | 56 | 22 | Not important: 7.14%  Somewhat important: 30.36%  **Very important: 57.14%**  Not applicable: 5.36% | Not important: 0.00%  Somewhat important: 22.73%  **Very important: 68.18%**  Not applicable: 9.09% |
| Other considerations | 26 | 6 | Not important: 0.00%  Somewhat important: 11.54%  Very important: 11.54%  **Not applicable: 76.92%** | Not important: 0.00%  Somewhat important: 16.67%  Very important: 33.33%  **Not applicable: 50.00%** |

Supplemental Information 5.Grower perceived importance of information sources on crop pollination.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***N* responding** | | **Percent responses** | |
| **How important are the following sources of information on crop pollination?** | **WI** | **QC** | **WI** | **QC** |
| My neighbors | 55 | 17 | Not important: 38.18%  **Somewhat important: 50.91%**  Very/extremely important: 10.91% | **Not important: 41.18%**  **Somewhat important: 41.18%**  Very/extremely important: 17.65% |
| My beekeeper | 55 | 21 | Not important: 14.55%  Somewhat important: 27.27%  **Very/extremely important: 58.18%** | Not important: 0.00%  Somewhat important: 9.52%  **Very/extremely important: 90.48%** |
| Grower conferences, field days, extension clinics | 54 | 20 | Not important: 7.41%  **Somewhat important: 57.41%**  Very/extremely important: 35.18% | Not important: 0.00%  Somewhat important: 30.00%  **Very/extremely important: 70.00%** |
| Sales representatives | 55 | 15 | Not important: 43.64%  **Somewhat important: 45.45%**  Very/extremely important 10.91% | **Not important: 40.00%**  **Somewhat important: 40.00%**  Very/extremely important: 20.00% |
| Crop consultants | 54 | 21 | Not important: 20.37%  Somewhat important: 37.04%  **Very/extremely important: 42.59%** | Not important: 0.00%  Somewhat important: 19.05%  **Very/extremely important: 80.95%** |
| University specialists | 56 | 21 | Not important: 3.57%  Somewhat important: 33.93%  **Very/extremely important: 62.50%** | Not important: 0.00%  Somewhat important: 28.57%  **Very/extremely important: 71.43%** |
| Other cranberry growers | 55 | 18 | Not important: 14.55%  **Somewhat important: 61.81%**  Very/extremely important: 23.64% | Not important: 5.56%  **Somewhat important: 55.56%**  Very/extremely important: 38.88% |