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containers for growing and selling plants. Although a limited infrastructure exists for recycling such containers, the reality is that over 95 percent of nonrenewable plant containers end up in landfills. Our team has been developing and testing biorenewable, bioplastic interested in factors that may influence the market for different versions of these sustainable containers. We developed a survey tool that would help us answer the following questions: 1) are consumers may be predictors for likelihood to purchase and willingness to pay extra for plants in different bioplastic container types.

survey a subset of the U.S. adult population with an interest in gardening. We received 1524 usable surveys from all major U.S. Reno IRB as Project 746474.

Most respondents were between 25 and 64 years of age (91.5%; n=1394), white (81%; n=1234), and female (63%; n=960). Nearly all experienced gardeners (96.8%; n=1475).

Data were analyzed using SAS/STAT software (SAS Institute, Cary, NC). α =0.05. Pearson Chi-square was used to test the significance of which variables were ordinal was analyzed using Gamma's Z.



within six months.

Compostable: This type of bioplastic container will not decompose in soil within six months, but will decompose under normal composting (high-temperature) conditions.

as they decompose. It does not contain added fertilizers.



University, and the University of Nevada, Reno.