**Table S5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dependent variables** | **Fitted** | **Predicted variance** | **Residual** | **R2** | **mc** | **mc2** |
| Intention to use climate and weather information | 0.692 | 0.201 | 0.490 | 0.291 | 0.539 | 0.291 |
| Perceived weather-related risk | 0.968 | 0.401 | 0.567 | 0.414 | 0.644 | 0.414 |
| Climate belief | 1.109 | 0.215 | 0.893 | 0.194 | 0.441 | 0.194 |
| Belief that producers will need to adapt | 0.849 | 0.417 | 0.432 | 0.491 | 0.701 | 0.491 |
| Current use of climate and weather information\* | 0.054 | 0.004 | 0.050 | 0.072 | 0.269 | 0.072 |
| Use of historical weather trends | 0.921 | 0.462 | 0.459 | 0.502 | 0.708 | 0.502 |
| Use of weather data for the past 12 months | 1.062 | 0.556 | 0.506 | 0.524 | 0.724 | 0.524 |
| Use of current weather conditions | 1.270 | 0.763 | 0.507 | 0.601 | 0.775 | 0.601 |
| Use of 1-7 day forecasts | 1.248 | 0.711 | 0.537 | 0.569 | 0.755 | 0.569 |
| Use of 8-14 day forecasts | 1.134 | 0.761 | 0.373 | 0.671 | 0.819 | 0.671 |
| Use of monthly or seasonal outlooks | 1.057 | 0.885 | 0.172 | 0.837 | 0.915 | 0.837 |
| Use of annual or longer term outlooks | 0.975 | 0.605 | 0.370 | 0.620 | 0.788 | 0.620 |
| Numbers are rounded. mc = correlation between dependent variable and its prediction, mc2 = Bentler-R2 multiple correlator coefficient, \* = latent variable*,* overall R2 = 0.518 |