**Table S2**

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| --- | --- | --- | --- |
| **Model path relationships** | **β** | **S.E.** | **95% C.I.bca** |
| Perceived weather-related risk 🡪 Intention to use weather and climate information | 0.240\* | 0.022 | 0.197, 0.283 |
| Climate belief 🡪 Intention to use weather and climate information | 0.054\* | 0.017 | 0.021, 0.087 |
| Belief that producers will need to adapt 🡪 Intention to use weather and climate information | 0.188\* | 0.023 | 0.143, 0.233 |
| Observed weather variability 🡪 Perceived weather-related risk | 0.644\* | 0.012 | 0.619, 0.668 |
| Perceived weather-related risk 🡪 Climate belief | 0.141\* | 0.020 | 0.103, 0.180 |
| Observed weather variability 🡪 Climate belief | 0.336\* | 0.020 | 0.297, 0.376 |
| Perceived weather-related risk 🡪 Belief that producers will need to adapt | 0.365\* | 0.019 | 0.330, 0.402 |
| Climate belief 🡪 Belief that producers will need to adapt | 0.123\* | 0.014 | 0.095, 0.151 |
| Observed weather variability 🡪 Belief that producers will need to adapt | 0.339\* | 0.019 | 0.302, 0.377 |
| Perceived weather-related risk 🡪 Current use of climate and weather information | 0.089\* | 0.025 | 0.041, 0.138 |
| Climate belief 🡪 Current use of climate and weather information | -0.030 | 0.018 | -0.065, 0.006 |
| Belief that producers will need to adapt 🡪 Current use of climate and weather information  | 0.192\* | 0.023 | 0.147, 0.237 |
| Observed weather variability 🡪 Current use of climate and weather information | 0.032 | 0.026 | -0.020, 0.083 |
| Numbers are rounded. n = 3,648. β = standardized regression coefficient; SE = standard error; 95% C.I.bca = bias corrected and accelerated bootstrap confidence interval (based on 500 bootstrap samples), \* *p* < .001. Model fit statistics: AIC = 91,830.173. BIC = 92,158.876, Χ²(37) = 281.789, *p* < 0.001, Χ² / df = 37, RMSEA = 0.043, 90% CI = .038 - .047, CFI = 0.992, Model R² = 0.518. |