*Table* *:* Summary of posterior distributions for parameters in the IRT model that are not village- or item-specific.

| Parameter | Mean | SD | P05 | P50 | P95 |
| --- | --- | --- | --- | --- | --- |
|  | -0.756 | 1.007 | -2.498 | -0.668 | 0.691 |
|  | 1.666 | 0.921 | 0.212 | 1.626 | 3.236 |
|  | 0.113 | 0.326 | -0.435 | 0.123 | 0.630 |
|  | 0.566 | 0.962 | -1.021 | 0.572 | 2.150 |
|  | 2.549 | 0.999 | 0.942 | 2.519 | 4.233 |
|  | 1.363 | 1.028 | -0.276 | 1.341 | 3.106 |
|  | 2.247 | 1.091 | 0.500 | 2.221 | 4.070 |
|  | 2.208 | 0.675 | 1.292 | 2.112 | 3.441 |
|  | 0.217 | 0.279 | 0.010 | 0.126 | 0.851 |
|  | 1.000 | 0.000 | 1.000 | 1.000 | 1.000 |
|  | 1.000 | 0.000 | 1.000 | 1.000 | 1.000 |
|  | -0.119 | 0.530 | -0.901 | -0.176 | 0.818 |
|  | 0.525 | 0.344 | -0.132 | 0.591 | 0.957 |
| 'P' refers to percentile. | | | | | |

*Table* *:* Summary of posterior distributions for parameters in the regression for bare ground cover.

| Parameter | Mean | SD | P05 | P50 | P95 |
| --- | --- | --- | --- | --- | --- |
|  | -0.118 | 0.184 | -0.413 | -0.119 | 0.178 |
|  | 1.028 | 0.129 | 0.828 | 1.029 | 1.224 |
|  | -0.060 | 0.057 | -0.150 | -0.059 | 0.029 |
|  | 0.077 | 0.103 | -0.086 | 0.077 | 0.236 |
|  | -0.159 | 0.149 | -0.354 | -0.180 | 0.132 |
|  | 0.092 | 0.060 | 0.015 | 0.083 | 0.199 |
| 'P' refers to percentile. | | | | | |