|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Unit | Min | Max | Arithmetic Mean |
| ***For reference*** |  |  |  |  |
| Continuous maize yields | Mg ha-1 | 2.78 | 13.94 | 8.81 |
| Rotated maize yields | Mg ha-1 | 3.72 | 14.44 | 9.83 |
| Continuous maize penalty | Mg ha-1 | 0 | 4.79 | 1.04 |
| Continuous maize penalty relative to rotated maize yield | % | 0 | 48 | 11 |
| ***Candidate predictors*** |  |  |  |  |
| Years in continuous maize | years | 1 | 18 | 7 |
| Prior year continuous maize yield | Mg ha-1 | 2.78 | 13.94 | 8.75 |
| Precipitation, water year (1-Oct through 1-Oct) | mm | 264 | 995 | 597 |
| Precipitation, planting through harvest | mm | 291 | 925 | 495 |
| Precipitation, planting through 14 days-after-planting (DAP) | mm | 0 | 252 | 52 |
| Precipitation, 14 days prior to planting through planting | mm | 0 | 130 | 39 |
| Temperature, mean low air temperature four weeks around planting | ⁰C | 1 | 17 | 8 |
| Number of days with low air temperature less than -15 C from 1-Jan through planting | days | 0 | 38 | 13 |
| Cumulative heat stress from planting through ?, base of 30 C | ⁰C-days | 4 | 292 | 71 |
| Average depth to water table | cm | 90 | 310 | 157 |
| Depth to soil B horizon | cm | 5 | 53 | 30 |
| Plant-available-water in top 30 cm of soil | mm | 36 | 64 | 52 |