**Table 1.** Crop parametrization values

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Inputs | Units | Default | Literature/Observed | Calibrated |
| *Development*  Planting date  Plant density  Type of planting method  Initial canopy cover  Canopy size seedling  Canopy expansion  Canopy decline  Time to emergence  Time to maximum canopy cover  Time to senescence  Time to maturity  Maximum canopy cover  Time to flowering  Duration of the flowering  Length building up harvest index  Max. effective rooting depth  Time for maximum root depth  *Production*  Water productivity  Harvest index  *Response to stresses*  Base temperature  Upper temperature  Canopy expansion  Stomatal closure  Early canopy senescence  Aeration stress  Air Tmax stress: pollination  Air Tmin stress: pollination | dd/mm  plants/ha  -  -  cm2/plant  %/day  %/day  days  days  days  days  %  days  days  days  cm  days  g/m2  %  ºC  ºC  -  -  -  vol %  °C  ºC |  |  |  |

**Table 2**. Statistical performance of AquaCrop – comparison between observed and simulated yields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Crop name | | |
|  | Units | Location 1 | Location 2 | Location 3 |
| Number of observations  MAPE  NRMSE  d | Years  %  %  - | xxx  xxx  xxx  xxx | xxx  xxx  xxx  xxx | xxx  xxx  xxx  xxx |