**S2 Table. Experimental details of the six field experiments.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Environment codeSite | GR07Granada | GR08Granada | GR09Granada | LL07Lleida | LL08Lleida | LL09Lleida |
| Year | 2007 | 2008 | 2009 | 2007 | 2008 | 2009 |
| Sowing date (dd/mm/yy) | 14/12/06 | 10/12/07 | 22/12/08 | 21/11/06 | 20/11/07 | 20/11/08 |
| Harvest date (dd/mm/yy) | 29/07/07 | 07/07/08 | 05/07/09 | 02/07/07 | 02/07/08 | 15/07/09 |
| Environmental data from sowing to harvest |
| Water input (mm) | 320 | 345 | 337 | 208 | 258 | 237 |
| Mean of daily minimum temperatures (ºC) | 7.5 | 7.0 | 7.1 | 6.1 | 6.5 | 6.3 |
| Mean of daily maximum temperatures (ºC) | 22.8 | 22.1 | 21.9 | 17.4 | 18.6 | 18.3 |
| Accumulated ET0 (mm) | 803 | 673 | 614 | 533 | 755 | 623 |
| Average daily relative air moisture (%) | 55.9 | 58.6 | 60.5 | 73.4 | 88.7 | 70.5 |
| Average daily solar radiation (MJ m-2 d-1) | 19.4 | 18.4 | 17.8 | 14.5 | 14.9 | 15.9 |