



## **Study of Phenological Characters of *Populus euphratica* Oliv. in the lower Reaches of Tarim River**

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**Abstract:** Six phenological characters, flowering, first foliation, second foliation, maturity, leaf coloration and defoliation of *Populus euphratica* Oliv. in the lower reaches of Tarim River were studied. Among of those the duration of the flowering stage was the shortest one, March 29 to April 19, whereas the maturity stage duration was the longest one, May 25 to October 13. Of pest attacking, foliation stage divided into two times, April 4 to May 1 and May 13 to June 4. Both of coloration and defoliation stages were overlapping where represented on September 26 to October 28 and October 11 to November 12 respectively. The maturity stage of which had occurred for more than four months in a coincident with flood time, which is important for seed dispersal, germination and seedling roots, also promote the regeneration and succession of native *P. euphratica* Oliv forest.

**Key words:** *Populus euphratica* Oliv., Phenological stage, spring cankerworm, The lower reaches of Tarim River, Flood time