

## 2-2. Developmental Characteristics and Life History of the Korean Native Firefly, *Pyrocoelia rufa*

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The Korean native firefly, *P. rufa*, is widely distributed in Korea and only at Tsushima in the case of Japan. *P. rufa* is known to occur in various habitats such as stream area, wet fields and mountain area.

Development and life history of the Korean native firefly, *Pyrocoelia rufa*, were investigated throughout the indoor rearing. Average size of egg with an oval shape was 1.7 mm and the hatchability of egg of *P. rufa* was approximately 88.5%. The larvae were pupated at the 5th instar and the body length of the matured larvae was 27.1 mm. The total periods of larval stage to the end of the 5th instar were approximately 104.7 days. Average pupal period was 10.3 days and average number of eggs oviposited by a female was 87.3 eggs. The body size of female in the pupa and adult was larger than that of male. The wings of female adult were deteriorated.