

Kasama-shi, 13. I. 1985 (K. MURATA); 10 w, 6 s, 1 f, same data; 35 w, 12 s, 1 f, Mt. Tomiya-san, Iwase-machi, 27. I. 1987 (K. MURATA); 68 w, 18 s, 2 f, Satomi-mura, Kuji-gun, 9. VI. 1986 (T. SATOH); 34 w, 12 s, 2 f, same data; 83 w, 12 s, 1 f, Mt. Tsukuba-san, Tsukuba-shi, 24. IV. 1986 (T. SATOH); 150 w, 21 s, 3 f, same data; 136 w, 19 s, 2 f, 1 m, same locality, 30. IV. 1986 (T. SATOH); 83 w, 16 s, 4 f, same data; 187 w, 28 s, 13 f, 10 m, same data, 24. IV. 1986 (T. SATOH); 265 w, 41 s, 17 f, 11 m, same locality, 2. XII. 1985 (T. SATOH); 296 w, 39 s, 19 f, 1 m, same data; 421 w, 64 s, 45 f, 18 m, same locality, 24. IV. 1986 (T. SATOH); 272 w, 48 s, 58 f, 9 m, same locality, 30. IV. 1986 (T. SATOH); 235 w, 30 s, 22 f, 1 m, same locality, 16. V. 1986 (T. SATOH); 246 w, 24 s, 33 f, same locality, 13. X. 1986 (T. SATOH); 357 w, 44 s, 3 f, same data. Chiba Pref.: 415 w, 51 s, 12 f, 34 m, Mt. Kiyosumi-yama, 21. IX. 1985 (T. SATOH); 179 w, 38 s, 36 f, 18 m, same data; 121 w, 12 s, 2 f, same data; 42 w, 11 s, 3 f, same data; 237 w, 34 s, 4 f, same locality, 22. IX. 1985 (T. SATOH); 211 w, 44 s, 11 f, 9 m, same data; 159 w, 22 s, 7 f, same data. Saitama Pref.: 5 w, 3 s, Higashi-matsuyama-shi, 15. II. 1975 (M. TERAYAMA); 16 w, 4 s, 3 f, 1 m, Nihongi-pass, Yorii-machi, 2. IV. 1976 (M. TERAYAMA); 189 w, 35 s, 7 f, Tokorozawa-shi, 4. X. 1986 (T. SATOH); 388 w, 72 s, 16 f, 7 m, same data; 751 w, 124 s, 19 f, 8 m, same data; 957 w, 172 s, 21 f, 14 m, same data; 42 w, 5 s, 3 f, same data; 193 w, 61 s, 14 f, same locality, 25. VII. 1986 (T. SATOH); 213 w, 43 s, 15 f, 4 m, same locality, 3. X. 1987 (T. SATOH); 223 w, 20 s, 7 f, 4 m, same data; 485 w, 51 s, 16 f, same data. Tokyo: 2 w, 2 s, Inagi-shi, 18. IV. 1988 (M. NISHIMURA). Kanagawa Pref.: 39 w, 10 s, 3 f, 1 m, Kakio, Kawasaki-shi, 7. III. 1981 (S. KUBOTA); 5 w, 5 s, 8 f, 1 m, same locality, 8. IX. 1984 (S. KUBOTA); 14 w, 5 s, 2 f, same locality, 11. II. 1980 (S. KUBOTA); 10 w, 1 f, same locality, 5. III. 1979 (S. KUBOTA); 19 w, 6 s, 2 f, same locality, 21. I. 1982 (S. KUBOTA). Shizuoka Pref.: 43 w, 12 s, 3 f, Kawatsu-machi, 20. VII. 1987 (T. SATOH); 64 w, 9 s, 3 f, same data; 37 w, 16 s, 1 f, same data. Nagano Pref.: 2 w, Matsumoto-shi, 10. V. 1985 (M. NISHIMURA). Mie Pref.: 4 w, Mt. Fujiwara-dake, Fujiwara-machi, 14. XII. 1980 (A. KAWAZOE); 43 w, 10 s, 8 f, same locality, 8. II. 1987 (A. KAWAZOE). Kyoto Pref.: 89 w, 13 s, 4 f, Tamba-machi, 1. V. 1988 (T. SATOH). Hyogo Pref.: 191 w, 24 s, 9 f, 7 m, Toyooka-shi, 12. X. 1987 (T. SATOH). Hiroshima Pref.: 32 w, 4 s, 4 f, Miyajima Is., Miyajima-machi, 3. VIII. 1988 (T. SATOH); 105 w, 14 s, 2 f, 10 m, same locality, 27. VIII. 1988 (T. SATOH); 44 w, 11 s, 1 f, 2 m, same data. Shimane Pref.: 124 w, 20 s, 6 f, Matsue-shi, 26. X. 1985 (F. ITOH); 21 w, 5 s, 1 f, Mt. Sanbe, 24. X. 1985 (GOUBARA). Ehime Pref.: 153 w, 21 s, 14 f, Mt. Ishizuchi, 29. VIII. 1988 (T. SATOH); 61 w, 10 s, 2 f, Mikawa-machi, 29. VIII. 1988 (T. SATOH). Kochi Pref.: 312 w, 46 s, 11 f, 5 m, Sagawa-machi, 30. VIII. 1988 (T. SATOH).

*Type depository.* The holotype and some paratypes are deposited in the National Institute of Agro-Environmental Sciences, Tsukuba, and the other paratypes in the National Science Museum, Tokyo, the Osaka Museum of Natural History, and the Naturhistorisches Museum, Basel.