**Bulletin of Insectology Supplemental Material**

Title: **Diversity of Coccinellidae in Ecological Compensation Areas of Italy and overlap with maize pollen shedding period**

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**Table S1. Data from “Casone” site (Northern Italy), year 2011.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 22/06/11 | **24/06/11** | **28/06/11** | **01/07/11** | **05/07/11** | **08/07/11** | **12/07/11** | 15/07/11 | 19/07/11 | 26/07/11 | 02/08/11 | Total |
| ***H. axyridis*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| ***C. septempunctata*** | 2 | 0 | 7 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 16 |
| ***H. variegata*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| ***P. quatuordecimpunctata*** | 1 | 0 | 3 | 10 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 18 |
| ***S. vigintiquatuorpunctata*** | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| **Total specimens** | 5 | 0 | 11 | 16 | 0 | 1 | 0 | 3 | 1 | 3 | 3 | 43 |
| **Number of species** | 3 | 0 | 3 | 4 | 0 | 1 | 0 | 2 | 1 | 3 | 2 | 5 |

**Table S2. Data from “Casone” site (Northern Italy), year 2012.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 07/06/12 | 15/06/12 | 22/06/12 | 26/06/12 | **29/06/12** | **03/07/12** | **06/07/12** | **10/07/12** | **12/07/12** | **17/07/12** | 24/07/12 | 31/07/12 | Total |
| ***C. septempunctata*** | 3 | 9 | 4 | 3 | 4 | 1 | 7 | 1 | 1 | 4 | 0 | 1 | 38 |
| ***H. axyridis*** | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 7 |
| ***P. quatuordecimpunctata*** | 0 | 5 | 2 | 4 | 2 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 17 |
| ***H. variegata*** | 0 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 9 |
| ***P. vigintiduopunctata*** | 0 | 0 | 3 | 1 | 7 | 0 | 6 | 1 | 4 | 0 | 0 | 0 | 22 |
| ***S. vigintiquatuorpunctata*** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| **Total specimens** | 3 | 19 | 10 | 9 | 16 | 3 | 15 | 3 | 7 | 6 | 1 | 2 | 94 |
| **Number of species** | 1 | 4 | 4 | 4 | 6 | 3 | 4 | 3 | 4 | 3 | 1 | 2 | 6 |

**Table S3. Data from “La Rizza” site (Northern Italy), year 2011.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 22/06/11 | **24/06/11** | **28/06/11** | **01/07/11** | **05/07/11** | **08/07/11** | **12/07/11** | 15/07/11 | 19/07/11 | 26/07/11 | 02/08/11 | Total |
| ***A. bipunctata*** | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| ***H. axyridis*** | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| ***C. septempunctata*** | 2 | 4 | 6 | 5 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 23 |
| ***H. variegata*** | 2 | 1 | 0 | 12 | 0 | 5 | 44 | 43 | 33 | 25 | 1 | 166 |
| ***P. quatuordecimpunctata*** | 1 | 0 | 0 | 5 | 0 | 5 | 6 | 2 | 2 | 1 | 1 | 23 |
| ***P. vigintiduopunctata*** | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| ***T. sedecimpunctata*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| **Total specimens** | 9 | 7 | 23 | 31 | 0 | 34 | 103 | 54 | 47 | 26 | 2 | 336 |
| **Number of species** | 5 | 3 | 4 | 3 | 0 | 3 | 3 | 3 | 3 | 2 | 2 | 7 |

**Table S4. Data from “La Rizza” site (Northern Italy), year 2012.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 07/06/12 | 15/06/12 | 22/06/12 | 26/06/12 | **29/06/12** | **03/07/12** | **06/07/12** | **10/07/12** | **12/07/12** | **17/07/12** | 24/07/12 | 31/07/12 | Total |
| ***C. septempunctata*** | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 6 |
| ***H. axyridis*** | 6 | 2 | 0 | 0 | 1 | 1 | 5 | 24 | 7 | 12 | 7 | 2 | 67 |
| ***P. quatuordecimpunctata*** | 2 | 0 | 3 | 3 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 13 |
| ***H. variegata*** | 1 | 0 | 2 | 5 | 3 | 2 | 0 | 5 | 2 | 0 | 0 | 1 | 21 |
| ***P. vigintiduopunctata*** | 0 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| ***A. bipunctata*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| ***C. quatuordecimguttata*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **Total specimens** | 15 | 9 | 11 | 8 | 6 | 5 | 9 | 29 | 10 | 13 | 9 | 3 | 127 |
| **Number of species** | 3 | 2 | 4 | 2 | 4 | 4 | 5 | 2 | 3 | 2 | 3 | 2 | 7 |

**Table S5. Data from “Tor Mancina” site (Central Italy), year 2011.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 20/05/11 | 31/05/11 | 13/06/11 | 30/06/11 | 13/07/11 | 22/07/11 | **28/07/11** | **05/08/11** | 17/08/11 | 26/08/11 | 08/09/11 | Total |
| ***C. septempunctata*** | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| ***C.quatuordecimpustulata*** | 4 | 2 | 3 | 19 | 19 | 3 | 6 | 2 | 2 | 2 | 2 | 64 |
| ***H. variegata*** | 0 | 0 | 3 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 2 | 11 |
| ***H. undecimnotata*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ***P. quatuordecimpunctata*** | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 9 |
| ***P. vigintiduopunctata*** | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| ***S. vigintiquatuorpunctata*** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ***T. sedecimpunctata*** | 2 | 0 | 1 | 38 | 12 | 4 | 12 | 7 | 1 | 0 | 5 | 82 |
| **Total specimens** | 7 | 4 | 11 | 60 | 34 | 10 | 20 | 9 | 3 | 5 | 10 | 173 |
| **Number of species** | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 2 | 2 | 3 | 4 | 8 |

**Table S6. Data from “Tor Mancina” site (Central Italy), year 2012.** The number of individuals for each species is reported. Dates in which maize flowering was recorded are in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 17/04/12 | 03/05/12 | 16/05/12 | 31/05/12 | 15/06/12 | 26/06/12 | 06/07/12 | 20/07/12 | **26/07/12** | **03/08/12** | 09/08/12 | Total |
| ***C. septempunctata*** | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| ***H. variegata*** | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 8 |
| ***C. quatuordecimpustuata*** | 1 | 1 | 9 | 8 | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 30 |
| ***T. sedecimpunctata*** | 0 | 0 | 3 | 0 | 5 | 19 | 13 | 0 | 0 | 0 | 0 | 40 |
| ***P. quatuordecimpunctata*** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| ***P. vigintiduopunctata*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Total specimens** | 5 | 5 | 13 | 8 | 5 | 34 | 15 | 2 | 1 | 0 | 0 | 88 |
| **Number of species** | 2 | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 1 | 0 | 0 | 6 |