

### Supplementary Material

#### **Community-level effects of ivermectin and moxidectin from cattle dung: zooplankton as study case**

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**Table S1.** Density of zooplankton (individuals L<sup>-1</sup> ± s.d., n = 6) in microcosms after 2 and 5 days of ivermectin and moxidectin exposure to a nominal initial concentration of 1000 ng g<sup>-1</sup>.

| Taxa   | Treatment     | C         |            | CS        |            | IVM       |             | MOX       |            |
|--|---------------|-----------|------------|-----------|------------|-----------|-------------|-----------|------------|
|  | Exposure time | D2        | D5         | D2        | D5         | D2        | D5          | D2        | D5         |
| Rotifera                                       |               |           |            |           |            |           |             |           |            |
| <i>Brachionus bidentata</i> Anderson, 1889     |               | 0         | 0          | 0         | 0          | 0.8±2     | 0           | 0         | 0          |
| <i>Lecane bulla</i> Gosse, 1851                |               | 0         | 0          | 0         | 0          | 0         | 0.8±2       | 4±2       | 0          |
| <i>Lecane pusilla</i> Harring, 1914            |               | 0         | 1.7±2.9    | 0         | 0          | 0         | 0           | 0         | 0          |
| <i>Lecane pyriformis</i> Daday, 1905           |               | 0         | 0          | 0         | 0          | 0         | 2.5±4.2     | 0         | 0.8±2      |
| <i>Lepadella ovalis</i> Müller, 1786           |               | 0         | 0          | 0         | 6.7±5.8    | 0         | 0           | 0         | 0          |
| Rotifer sp.1                                   |               | 0         | 0          | 0         | 0          | 0         | 0.8±2       | 0         | 0          |
| Rotifer sp.2                                   |               | 0         | 0          | 0         | 0          | 0.8±2     | 0           | 0         | 0          |
| Undetermined Bdelloidea                        |               | 6.7±7.6   | 3.3±2.9    | 5±8.7     | 0          | 0.8±2     | 0           | 20±6.3    | 4.2±10.2   |
| Total Rotifera                                 |               | 6.7±7.6   | 5±0        | 5±8.7     | 6.7±5.8    | 2.5±4.2   | 7.5±5.2     | 24.2±7.2  | 5±10       |
| Copepoda                                       |               |           |            |           |            |           |             |           |            |
| <i>Argyrodiaptomus</i> sp.                     |               | 3.3±2.9   | 0          | 5±5       | 2±3.5      | 3.3±8.2   | 0           | 0.8±2     | 0          |
| Calanoida copepodite                           |               | 13.3±15.3 | 6.7±7.6    | 1.7±2.9   | 1.7±2.9    | 0.8±2     | 0.8±2       | 0.8±2     | 0          |
| Cyclopoida copepodite                          |               | 0         | 3.3±5.8    | 1.7±2.9   | 0.7±1.2    | 1.7±2.6   | 2.5±4.2     | 0         | 0          |
| <i>Eucyclops</i> sp.                           |               | 0         | 0          | 0         | 0          | 0         | 0           | 1.7±2.6   | 0          |
| <i>Metacyclops mendocinus</i> Wierzejski, 1892 |               | 0         | 0          | 0         | 0          | 0         | 0           | 0         | 0.8±2      |
| Nauplii  |               | 10±13.2   | 23.3±2.9   | 0         | 20.7±15    | 4.2±4.9   | 14.2±6.6    | 7.5±14.1  | 2.5±4.2    |
| Undetermined Calanoida sp.1                    |               | 0         | 0          | 0         | 0          | 0         | 0           | 0.8±2     | 0          |
| Undetermined Calanoida sp.2                    |               | 0         | 0          | 0         | 5±8.7      | 0         | 0           | 0         | 0          |
| Undetermined copepod                           |               | 0         | 0          | 5±8.7     | 0          | 0         | 0           | 0         | 0          |
| Total Copepoda                                 |               | 26.7±25.7 | 33.3±7.6   | 13.3±2.9  | 30±5       | 10±14.5   | 17.5±10.8   | 11.7±15.1 | 3.3±4.1    |
| Cladocera                                      |               |           |            |           |            |           |             |           |            |
| <i>Alona glabra</i> Sars, 1901                 |               | 0         | 1.7±2.9    | 0         | 0          | 0         | 0.8±2       | 0         | 0          |
| <i>Ceriodaphnia reticulata</i> Jurine, 1820    |               | 45±8.7    | 60±32.8    | 18.3±5.8  | 16±8.6     | 6.7±6     | 0.8±2       | 5.8±8     | 1.7±2.6    |
| <i>Ceriodaphnia reticulata</i> neonates        |               | 33.3±35.1 | 55±20      | 3.3±5.8   | 40±36.1    | 0.8±2     | 5±6.3       | 2.5±4.2   | 0.8±2      |
| <i>Chydorus pubescens</i> Sars, 1901           |               | 0         | 1.7±2.9    | 1.7±2.9   | 0          | 0         | 0.8±2       | 0.8±2     | 0          |
| Total Cladocera                                |               | 78.3±42.5 | 118.3±7.6  | 23.3±7.6  | 56±42.9    | 7.5±7.6   | 7.5±8.2     | 9.2±10.7  | 2.5±2.7    |
| Protozoa                                       |               |           |            |           |            |           |             |           |            |
| <i>Arcella megastoma</i> Penard, 1902          |               | 0         | 0          | 1.7±2.9   | 5±5        | 2.5±4.2   | 1.7±2.6     | 0.8±2     | 2.5±6.1    |
| <i>Arcella vulgaris</i> Ehrenberg, 1830        |               | 31.7±42.5 | 26.7±20.2  | 15±5      | 26.7±20.2  | 36.7±57.8 | 97.5±144.5  | 8.3±9.8   | 71±93      |
| <i>Diffflugia lobostoma</i> Leidy, 1879        |               | 6.7±7.6   | 3.3±2.9    | 3.3±2.9   | 10.3±13.1  | 9.2±11.1  | 5±4.5       | 2.5±4.2   | 1.7±2.6    |
| Total Protozoa                                 |               | 38.3±49.3 | 30±21.8    | 20±5      | 42±37.2    | 48.3±52.1 | 104.2±144.2 | 11.7±7.5  | 75±91      |
| Total Zooplankton                              |               | 150±43.6  | 186.7±16.1 | 61.7±15.3 | 134.7±41.5 | 68.3±71.4 | 136.7±151.4 | 56.6±25.8 | 85.5±100.5 |