

**Table S1.** General information on tested insecticide formulations.

| Active ingredients/ Trade name | Supplier             | Mode of action <sup>[1]</sup>                          | Chemical group           | Concentration (%) | Formulation <sup>[2]</sup> | Recommended dose <sup>[3]</sup> |
|--------------------------------|----------------------|--------------------------------------------------------|--------------------------|-------------------|----------------------------|---------------------------------|
| Abamectin/Vertimec®            | Syngenta             | Glutamate-gated chloride (GluCl) allosteric modulators | Avermectins, Milbemycins | 1.8               | EC                         | 0.75 mL/L                       |
| Azadirachtin/AzaMax®           | Neemazal Technical   | Compounds of unknown or uncertain mode of action       | Azadirachtin             | 1.2               | EC                         | 3 mL/L                          |
| Chlorfenapyr/Pirate®           | BASF                 | Adenosine triphosphate disruptor                       | Halogenated pyrrols      | 24                | SC                         | 1 mL/L                          |
| Chlorpyrifos/Klorpan®          | Nufarm               | Acetylcholinesterase inhibitor                         | Organophosphate          | 48                | EC                         | 5 mL/L                          |
| Lambda-cyhalothrin/Karate®     | Syngenta             | Sodium channel modulator                               | Piretroid                | 10                | EC                         | 0.8 mL/L                        |
| Spinetoram/Delegate®           | Corteva              | Nicotinic acetylcholine receptor allosteric modulator  | Spinosyns                | 25                | WG                         | 0.2 g/L                         |
| Thiametoxam/Actara®            | AgriScience Syngenta | Nicotinic acetylcholine receptor competitive modulator | Neonicotinoid            | 25                | WG                         | 0.1 g/L                         |

<sup>[1]</sup> Mode of action: IRAC (2020). <sup>[2]</sup> Formulation: EC, emulsifiable concentrate; SC, suspension concentrate; WG, water dispersable granules. <sup>[3]</sup> The dose used was the highest authorized for application in strawberry crops.