**Table S2. Minimum recommended dose of registered insecticides to** ***S. frugiperda***

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| --- | --- | --- | --- |
| Insecticide | Minimum recommended dose (mg/L) | Formulationa (Active ingredient content) | Origin |
| chlorpyrifos | 667 | EC (40%) | Zhejiang Xinnong Chemical Co., Ltd |
| bifenthrin | 41.7 | ME (2.5%) | ADAMA Huifeng (Jiangsu) Co., Ltd |
| deltamethrin | 8.33 | EC (25 g/L) | Bayer Co., Ltd |
| lambda-cyhalothrin | 50.0 | EW (10%) | ADAMA Huifeng (Jiangsu) Co., Ltd |
| phoxim | 1000 | EC (40%) | Nanjing Huazhou Pharmaceutical Co., Ltd |
| chlorantraniliprole | 80.0 | SC (200 g/L) | FMC Co., Ltd |
| chlorfenapyr | 110 | SC (10%) | BASF SE |

a SC (suspension concentrate), EW (emulsion in Water), ME (microemulsion), EC (emulsifiable concentrate).