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| **Assessment summary table – soil organisms hazard assessment** | | | | |
| **Product name:** | | | **Active ingredient name:** | |
| **Registration file number:** | |
| **Name of the assessor:** | | | **Date of the assessment:** | |
| **Hazard parameters** | |  | | **Notes** |
|  | **Pesticide product** | | | |
| 1 | Pesticide type |  | | *Insecticide, fungicide, herbicide, acaricide, etc.* |
| 3 | Type of formulation |  | | *Some formulations types (e.g. EC formulations) 🡺 potentially higher toxicity* |
|  | **Ecotoxicology** | | | |
| 4 | Effect on earthworms – NOEC | (mg/kg soil) | |  |
| 5 | Effect on Collembola – LC50, NOEC | (mg/kg soil) | |  |
| 7 | Effects on microbial activity | (% reduction) | |  |
| 8 | Semi-field or field trial results *(specify)* |  | |  |
|  | **Persistence of the pesticide** | | | |
| 9 | DT50 / DT90 soil (days) |  | |  |
| 10 | Pesticide considered persistent in soil? | *Yes / No* | | *POP criteria Stockholm Convention: DT50-soil > 180 days*  *PBT criteria EPA: DT50-soil > 60 days*  *vPvB criteria ECHA: DT50-soil > 120 days* |
|  | **Exposure – Crop** | | | |
| 9 | Crop(s) |  | |  |
| 10 | Crop cover | *Yes / No*  *Estimated % crop interception* | | *Crop interception values* |
| 11 | Contamination of soils possible? | *Yes / No* | | *Some pesticide use patterns 🡺 no or low exposure of soil* |
|  | **Exposure – Pesticide application** | | | |
| 12 | Mode and time of application |  | | *Some modes of application (e.g. whole field spray applications at low crop cover stage, direct soil applications, bare soil application) 🡺 higher exposure risk*  *Some modes of application (e.g. row applications, stem injections, brushing) 🡺 lower exposure risk* |

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|  | **Hazard assessment** | |
| 14 | Is exposure of soil organisms possible and/or likely?  *Provide explanation* |  |
| 15 | Are adverse effects on soil organisms possible/likely?  *Provide explanation* |  |
| 16 | What are the main hazard concerns for soil organisms of using this pesticide as proposed by the applicant? |  |
| 17 | What mitigation measures might be implemented to reduce possible adverse effects of the pesticide? |  |