



DRONES AND NEW TECHNOLOGIES: OECD AND OTHER ACTIVITIES

CEUREG FORUM XXIV
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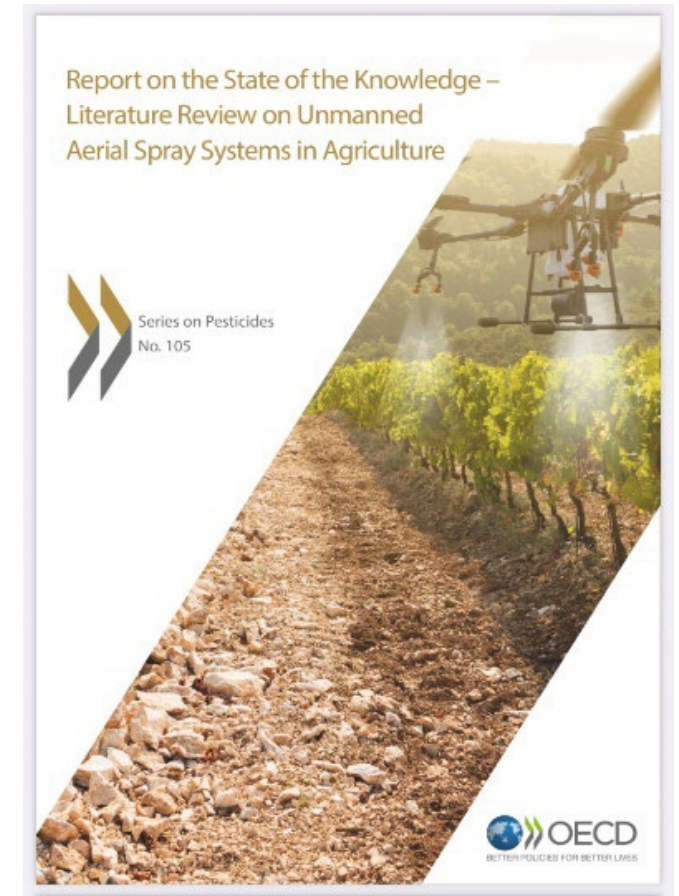


OECD Drone/UASS Subgroup of the OECD Working Party on Pesticides

- **Report on the State of the Knowledge – Literature Review on Unmanned Aerial Spray Systems (UASS) in Agriculture**

OECD Series on Pesticides No. 105 – Nov. 2021

- Recognises **potential benefits** cannot be realized without improving the available data on UASS applications
 - Provides an **overview of the state of knowledge** (2021)
 - Concludes that a combination of UASS design, working practices and products applied have the potential to create significantly **different risks** from those associated with more traditional and established methods of application
 - Identifies areas of **additional work needed** to support the development of guidance for the regulatory risk assessment and decision processes for UASS application of pesticides
- In 2021 the work focused on implementing the Report recommendations
 - Lead: the United Kingdom



<https://doi.org/10.1787/9240f8eb-en>



OECD Drone/UASS Subgroup – current work

Work	<u>Engaging with relevant stakeholders and providing guidance on generating information and tools that will enable regulatory authorities to conduct regulatory assessments</u>
Key stakeholder	<ul style="list-style-type: none">• Unmanned Aerial Pesticide Application System Task Force (UAPASTF) [an Industry Task Force]
Work packages	<ul style="list-style-type: none">• Support development of: a database of spray drift & deposition empirical data; empirical drift curve; mechanistic spray deposition and drift• Classification of UASS types to aid evaluation• Best management practices for pesticide applications with UASS• Informed of international standards
Expected deliverable	Release of a Summary Report describing approaches/tools regulatory authorities may wish to employ when considering the application of pesticides by UASS (~2025)
Process	Guiding principles, process, and criteria for the work of the OECD Drone/UASS Subgroup of the Working Party on Pesticides [ENV/CBC/WRPR(2024)8/FINAL] - May '24



Guiding principles, process, and criteria for the work of the OECD Drone/UASS Subgroup

- In order that all parties are aware of expectations
- describes guiding principles, processes, and criteria under which information and data considered in the Work Plan
- will be deemed acceptable by OECD members.



Guiding principles, process, and criteria for the work of the OECD Drone/UASS Subgroup

- **Expectations regarding final deliverable**
 - Publicly available resources
- **Process leading to establishment / use of empirical curve & mechanistic model**
 - Data of requisite quality
 - Input on needs for validation and accessibility in regulatory contexts
 - Adequate access to underlying data to judge robustness of the curve/model
- **Data sharing / accessibility**
 - Respective owners have the right to limit the circumstances in which their data are shared
- **Guiding principles behind information sharing within the OECD Chemicals Programme**
 - Maintain maximum transparency, when possible
- **Guidance on criteria submitted in support of model development**
 - Indicative principles, practices, standards