



**Ministry of Environment
and Gender Equality**

Environmental
Protection Agency

TFA and Pesticides

- a regulatory perspective

24. February 2026
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Why did the Danish EPA regulate PFAS-pesticides?

- **New information:**
 - The Danish research project, TriFluPest
 - EU-assessments of pesticide active substances
- **Regulatory process at the Danish EPA**
 - Legal framework
 - Consultation
 - Decision
- **Agricultural challenges – Alternatives?**
- **Current status on PFAS-pesticides approved for use in Denmark**

TriFluPest – A research project

- **Funded by the Danish EPA**
- **Conducted by GEUS (The Geological Survey of Denmark and Greenland)**
- **Startet in 2022, finished in December 2024**

Purpose:

Carry out simple degradation studies in the laboratory, to confirm or deny if TFA is formed from 7 active substances former or currently authorised for use in Denmark:

- Fluopyram
- Diflufenican
- Fluazinam
- Tau-fluvalinat
- Mefentrifluconazol
- Fluazifop-P-butyl*
- Trifluralin*

* former authorisations

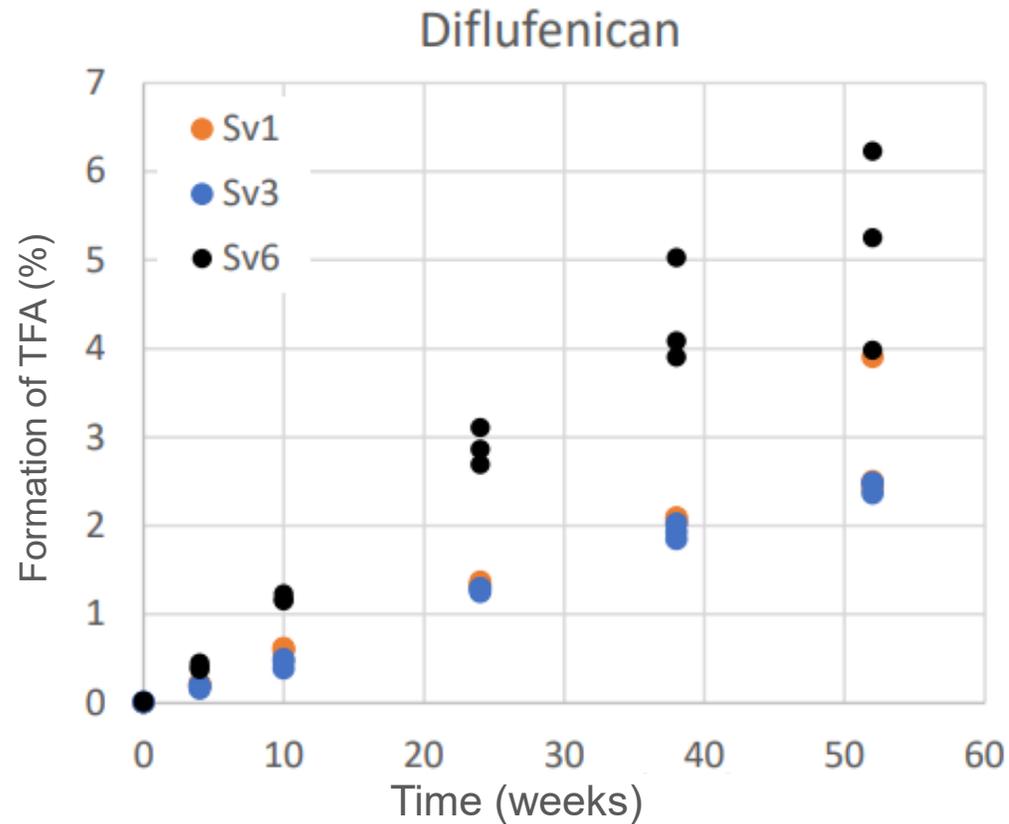


<https://mst.dk/publikationer/2024/december/triflupest>



New information: Formation of TFA

- **All 7 tested active substances were found to form TFA in soil**
 - The formation of TFA is likely to continue over time



Information from EU assessments of active substances

- **Active substances**
 - Flufenacet and flurtamon (never authorised in Denmark)
 - Flonicamid and fluopyram (authorisations withdrawn in 2025 in Denmark).
- **TFA properties**
 - Non-degradable (persistent)
 - Extremely mobile (leaching to groundwater)
- **EU groundwater modelling**
 - All uses result in leaching of TFA above 0.1 µg/L
 - Concentrations from 0.7 til 96 µg/L

Approval requirements

Approval requirements – Environment and groundwater

- **Limit value for pesticides in groundwater**
 - 0.1 µg/L
- **Danish persistency criteria for pesticides**
 - Half-life in soil on 180 days

TFA is predicted to leach above the limit value – Up to 96 µg/L

TFA is persistent – Degradation half-life is over 1000 days

Reassessment of products in Denmark

- **Based on new information**
- **6 active substances**
 - 33 products
- **Consultation period**
- **Withdrawal of all products**

Diflufenican
Fluopyram
Fluazinam
Mefentrifluconazol
Tau-fluvalinat
Flonicamid

Further work on alternatives - Taskforces

- **The withdrawn products had uses in a range of crops in Denmark, but specifically:** Potatoes, Grass seed, Cereals, Oil seed rape, Onions, and a number of minor uses in seed production, fruit and vegetables.
- **For some crops the withdrawals are expected to have significant consequences**
- **The Danish Environmental Ministry has started 2 taskforces**
 - One taskforce for potatoes, and one for the remaining crops.
 - Purpose is to minimise the consequences.
 - Fast identification of possible alternatives, that could potentially be authorised upon application and assessment by the Danish EPA.
- **The taskforces are ongoing, and expected to run until autumn 2026**
 - The Danish EPA participates in the taskforces
 - Other members are representatives from different agricultural organisations, companies and advisors.

Status on the remaining PFAS-pesticides approved for use in Denmark

- **5 active substances has the potential to form TFA, and are authorised for use in Denmark**
 - Lambda-cyhalothrin, Oxathiapiprolin, Picolinafen, Pyroxsulam and Tefluthrin.
- **DEPA is of the opinion that currently there is not sufficient documentation that TFA is formed to initiate a reassessment of the products at Member State level**
- **Pesticide Regulation Art. 21**
 - Member states can make a request to the EU Commission to initiate a reassessment of active substances.
 - Denmark made use of this option in September 2025, with a request to have all PFAS-pesticides reevaluated at EU level.
 - Currently the request is rejected.
- **Activities in other "member states"**
 - Norway, Sweden and the Netherlands have stated that they will also initiate reassessments of products containing the concerned active substances.

**Thank you for your
attention**

