



# Non-exhaustive list of literature on sewage sludge use in agriculture

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A large number of scientific reports that have been produced by the European Commission from the last 10-12 years (<https://ec.europa.eu/environment/waste/sludge/>)

English summary of the **Swedish Phosphorus Inquiry** (2020) (page 31-43) that rejected a ban of sewage sludge in agriculture based on scientific reviews <https://www.regeringen.se/48e7cd/contentassets/3d68880d2e6942f3a1dccb158e46beb7/hallbar-slamhantering-sou-20203>.

## Risk assessment

Risk assessment of sewage sludge used as fertiliser and soil conditioner in Norway

<https://vkm.no/english/riskassessments/allpublications/riskassessmentofsewagesludgeusedasfertiliserandsoilconditionerinnorway.4.72c3261615e09f2472f48b8b.html>

## Risks and contaminants in sludge

Most of the following reports are from the long lasting sludge field trials in Skåne, south Sweden (more than 35 years of Swedish sludge use on agriculture land)

Microplastics:

**The report on microplastics from same field trials:**  
<http://vav.griffel.net/filer/svu-rapport-2018-13.pdf> (English summary)

**Report on microplastics and WWTPs in Göteborg and Stockholm, 2020** (English summary)

<https://www.svensktvatten.se/contentassets/22657293353d44ecaca7721d>



[0b1c907c/svu-rt228.pdf](#) (English summary)

#### Chemical contaminants

**The Swedish EPA screening report on organic contaminants from same field trials:** [http://www.svensktvatten.se/globalassets/avlopp-och-miljo/uppstomsarbete-och-kretslopp/revaq-certifiering/naturvardsverket-rapport-screening-of-organic-pollutants-in-sewage-sludge-amended-arable-soils\\_151124-2.pdf](http://www.svensktvatten.se/globalassets/avlopp-och-miljo/uppstomsarbete-och-kretslopp/revaq-certifiering/naturvardsverket-rapport-screening-of-organic-pollutants-in-sewage-sludge-amended-arable-soils_151124-2.pdf) (In English)

**Organic pollutants in beet and haulm cultivated on farmland fertilized with sludge from municipal wastewater treatment plants:** [http://vav.griffel.net/filer/SVU-rapport\\_2014-12.pdf](http://vav.griffel.net/filer/SVU-rapport_2014-12.pdf) (English summary)

#### Pharmaceuticals and AMR:

**The report on pharmaceuticals and degradation in agriculture soil from same field trials:**

<http://sjostad.ivl.se/download/18.2aa2697816097278807ef30/1524596324611/B2264.pdf> (in English)

**The published research project on antibiotic resistance and sludge use from same field trials:** Sludge use for more than 35 years on agriculture soil has not increased the level of antibiotic resistance pathogens in the soil neither have antibiotic resistance genes increased in the soils: <https://www.sciencedirect.com/science/article/pii/S016041201931788X> (in English)

#### Revaq (Swedish certification scheme):

**Please see also below for more information on Revaq:**

Brochure in English on Revaq: [https://www.ieabioenergy.com/wp-content/uploads/2018/01/REVAQ\\_Case\\_study\\_A4\\_1.pdf](https://www.ieabioenergy.com/wp-content/uploads/2018/01/REVAQ_Case_study_A4_1.pdf)

