Degradation of zearalenone and ochratoxin A in three Danish agricultural soils

Degradation of two mycotoxins: zearalenone (ZON) produced by species of Fusarium and ochratoxin A (OTA) produced by species of Penicillium were followed in pot experiments using agricultural topsoils from Danish experimental farms: a sandy soil, a sandy clay soil and a gyttja soil with a high content of silt. Experiments with unplanted soil and pots planted with barley were included. Soil samples were withdrawn during a period of 225 days and analysed for the content of OTA and ZON. The degradation of both toxins consisted of an initial fast degradation followed by a slower transformation step and was described well by a sum of two first-order kinetic equations. The decay first-order rate constants for the first step \( k(1) \) were in the range 0.73-2.91 \( \text{d}^{-1} \) for OTA and 0.0612-0.108 \( \text{d}^{-1} \) for ZON, respectively. Half-lives \( (t_{0.5}) \) for ZON using data from the first phase were between 6.4 and 11 days, whereas the half-lives for OTA were about 0.2-1 day. The slowest degradation was measured in soil rich in clay. After 225 days, neither OTA nor ZON was detected in any of the soil types. Generally, the degradation of ZON and OTA was faster in planted soil than in unplanted soil, probably due to higher microbial activity. Due to the fast degradation of ZON and OTA in surface soil leaching as soluble substances appears to be limited. (c) 2005 Elsevier Ltd. All rights reserved.

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Strobel, B., Hansen, H.
Pages: 1673-1680
Publication date: 2006
Peer-reviewed: Yes

Publication information
Journal: Chemosphere
Volume: 62
Issue number: 10
ISSN (Print): 0045-6535
Ratings:
BFI (2019): BFI-level 2
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 4.62 SJR 1.435 SNIP 1.448
Web of Science (2017): Impact factor 4.427
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 4.39 SJR 1.447 SNIP 1.625
Web of Science (2016): Impact factor 4.208
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 2
Scopus rating (2015): CiteScore 4.04 SJR 1.497 SNIP 1.567
Web of Science (2015): Impact factor 3.698
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 3.76 SJR 1.59 SNIP 1.639
Web of Science (2014): Impact factor 3.34
Web of Science (2014): Indexed yes
Degradation and mobility of linear alkylbenzene sulfonate and nonylphenol in sludge-amended soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Jacobsen, A., Mortensen, G., Hansen, C.
Influence of soil moisture on linear alkylbenzene sulfonate-induced toxicity in ammonia-oxidizing bacteria

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Nielsen, K., Brandt, K., Jacobsen, A., Mortensen, G., Sørensen, J.
Pages: 363-370
Publication date: 2004
Peer-reviewed: Yes

Publication information
Journal: Environmental Toxicology and Chemistry
Volume: 23
ISSN (Print): 0730-7268
Ratings:
BFI (2019): BFI-level 2
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 2.87 SJR 1.178 SNIP 1.018
Web of Science (2017): Impact factor 3.179
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 2.74 SJR 1.231 SNIP 1.021
Web of Science (2016): Impact factor 2.951
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 2
Scopus rating (2015): CiteScore 3 SJR 1.433 SNIP 1.056
Web of Science (2015): Impact factor 2.763
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 2.89 SJR 1.501 SNIP 1.12
Web of Science (2014): Impact factor 3.225
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 2
Scopus rating (2013): CiteScore 2.88 SJR 1.656 SNIP 1.086
Web of Science (2013): Impact factor 2.826
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): CiteScore 2.81 SJR 1.639 SNIP 1.108
Degradation of nonylphenol in spiked soils and in soils treated with organic waste products

**General information**

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Kure, L.
Pages: 718-721
Publication date: 2003
Peer-reviewed: Yes

**Publication information**

Journal: Environmental Toxicology and Chemistry
Volume: 22
ISSN (Print): 0730-7268
Ratings:
BFI (2019): BFI-level 2
Determination of zearalenone and ochratoxin A in soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Strobel, B., Hansen, H.
Pages: 98-101
Publication date: 2003
Peer-reviewed: Yes

Publication information
Volume: 376
Ratings:
BFI (2019): BFI-level 1
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 3.08 SJR 0.978 SNIP 0.921
Web of Science (2017): Impact factor 3.307
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 3.03 SJR 0.99 SNIP 1.044
Web of Science (2016): Impact factor 3.431
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 3.07 SJR 1.059 SNIP 1.072
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 3.26 SJR 1.126 SNIP 1.212
Web of Science (2014): Impact factor 3.436
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 3.55 SJR 1.236 SNIP 1.279
Web of Science (2013): Impact factor 3.578
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): CiteScore 3.51 SJR 1.354 SNIP 1.279
Web of Science (2012): Impact factor 3.659
ISI indexed (2012): ISI indexed yes
Effects of linear alkylbenzene sulfonates on functional diversity of microbial communities in soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Vinther, F., Mortensen, G., Elsgaard, L.
Pages: 35-39
Publication date: 2003
Peer-reviewed: Yes

Publication information
Journal: Environmental Toxicology and Chemistry
Volume: 22
ISSN (Print): 0730-7268
Ratings:
BFI (2019): BFI-level 2
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 2.87 SJR 1.178 SNIP 1.018
Web of Science (2017): Impact factor 3.179
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 2.74 SJR 1.231 SNIP 1.021
Recycling of sewage sludge and household compost to arable land: Fate and effects of organic contaminants, and impact on soil fertility

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Petersen, S., Henriksen, K., Mortensen, G., Krogh, P., Brandt, K., Sørensen, J., Madsen, T., Petersen, J., Grøn, C.
Pages: 139-152
Publication date: 2003
Peer-reviewed: Yes

Publication information
Journal: Soil and Tillage Research
Volume: 72
Original language: English
DOIs: 10.1016/S0167-1987(03)00084-9

Availability of alkylbenzenes (BTEX) and polycyclic aromatic hydrocarbons (PAH) in polluted soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 2002
Peer-reviewed: No
Source: orbit
Source-ID: 304149
Research output: Research – Conference abstract for conference – Annual report year: 2002

Monitoring the content and intake of trace elements from food in Denmark

The content of cadmium, lead, nickel, mercury and selenium in 83 foods was monitored from 1993 to 1997. In comparison with similar results from 1988 to 1992, a general decrease in lead levels had occurred, whereas the contents of cadmium, nickel, mercury and selenium were stable or declined only slightly. The distribution in dietary intake of the five trace elements was estimated by combining the mean trace element concentrations with food consumption data from 1837 Danes aged 15-80 years. The lead intake for 1993-97 showed a decrease in comparison with similar estimates from the previous monitoring cycles: 1983-87 and 1988-92. The intake of cadmium and mercury decreased to a lesser extent, whereas the intake of selenium and nickel remained unchanged in the same period. The dietary intake of trace elements was compared with the provisional tolerable weekly intake (PTWI). The 95th percentile of the distribution in cadmium intake amounts to 34% of PTWI, which is relatively high, and therefore calls for a more detailed future risk assessment. The intakes of lead and mercury were 11% of PTWI and, like the intake of nickel, did not cause any health concern in the adult population. The Danes ingest close to 100% of the Nordic Nutrition Recommendation for selenium at 50 mug day(-1), and no individuals had an intake less than the lower limit of 20 mug day(-1).

General information
State: Published
Organisations: Division of Food Chemistry, National Food Institute, Risø National Laboratory for Sustainable Energy
Contributors: Larsen, E. H., Andersen, N. L., Møller, A., Petersen, A., Mortensen, G. K., Petersen, J.
Pages: 33-46
Publication date: 2002
Peer-reviewed: Yes

Publication information
Journal: Food Additives and Contaminants
Volume: 19
Natural toxins in soil and agricultural plants

General information
Availability of alkylbenzenes (BTEX) and polycyclic aromatic hydrocarbons (PAH) in polluted soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 2001
Peer-reviewed: No
Source: orbit
Source-ID: 303068
Research output: Research › Conference abstract for conference – Annual report year: 2001

Degradation and plant uptake of organic contaminants in spiked soils and in soils treated with organic waste products

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Kure, L., Ambus, P., Laturnus, F., Grøn, C.
Publication date: 2001
Peer-reviewed: No
Event: Abstract from SETAC Europe Conference on Organic Soil Contaminants 2001, Copenhagen, Denmark.
Source: orbit
Source-ID: 303069
Research output: Research › Conference abstract for conference – Annual report year: 2001

Degradation of 4-nonylphenol in homogeneous and nonhomogeneous mixtures of soil and sewage sludge

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Hesselsøe, M., Jensen, D., Skals, K., Olesen, T., Moldrup, P., Roslev, P., Mortensen, G., Henriksen, K.
Pages: 3695-3700
Publication date: 2001
Peer-reviewed: Yes

Publication information
Journal: Environmental Science & Technology (Washington)
Volume: 35
ISSN (Print): 0013-936X
Ratings:
BFI (2019): BFI-level 2
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 6.58 SJR 2.535 SNIP 1.941
Web of Science (2017): Impact factor 6.653
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 6.26 SJR 2.559 SNIP 1.902
Web of Science (2016): Impact factor 6.198
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 2
Scopus rating (2015): CiteScore 5.61 SJR 2.546 SNIP 1.838
Web of Science (2015): Impact factor 5.393
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 5.5 SJR 2.777 SNIP 2.003
Web of Science (2014): Impact factor 5.33
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 2
Scopus rating (2013): CiteScore 5.52 SJR 2.952 SNIP 2.102
Web of Science (2013): Impact factor 5.481
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): CiteScore 5.17 SJR 3.115 SNIP 2.043
Web of Science (2012): Impact factor 5.257
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): CiteScore 5.16 SJR 3.18 SNIP 1.945
Web of Science (2011): Impact factor 5.228
ISI indexed (2011): ISI indexed yes
Web of Science (2011): Indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): SJR 2.979 SNIP 1.726
Web of Science (2010): Impact factor 4.827
Web of Science (2010): Indexed yes
BFI (2009): BFI-level 2
Scopus rating (2009): SJR 2.86 SNIP 1.809
Web of Science (2009): Indexed yes
BFI (2008): BFI-level 2
Scopus rating (2008): SJR 2.96 SNIP 1.935
Web of Science (2008): Indexed yes
Scopus rating (2007): SJR 2.774 SNIP 1.914
Web of Science (2007): Indexed yes
Scopus rating (2006): SJR 2.55 SNIP 1.893
Web of Science (2006): Indexed yes
Scopus rating (2005): SJR 2.608 SNIP 1.999
Web of Science (2005): Indexed yes
Scopus rating (2004): SJR 2.86 SNIP 2.046
Web of Science (2004): Indexed yes
Scopus rating (2003): SJR 2.54 SNIP 2.065
Web of Science (2003): Indexed yes
Scopus rating (2002): SJR 2.392 SNIP 1.949
Web of Science (2002): Indexed yes
Scopus rating (2001): SJR 2.387 SNIP 1.968
Web of Science (2001): Indexed yes
Scopus rating (2000): SJR 3.03 SNIP 2.315
Web of Science (2000): Indexed yes
Scopus rating (1999): SJR 3.367 SNIP 2.351

Original language: English
Influence of plant growth on degradation of linear alkylbenzene sulfonate in sludge-amended soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Egsgaard, H., Ambus, P., Jensen, E., Grøn, C.
Pages: 1266-1270
Publication date: 2001
Peer-reviewed: Yes

Publication information
Journal: Journal of Environmental Quality
Volume: 30
ISSN (Print): 0047-2425
Ratings:
BFI (2019): BFI-level 2
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 2.54 SJR 1.092 SNIP 1.066
Web of Science (2017): Impact factor 2.405
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 2.51 SJR 1.065 SNIP 1.157
Web of Science (2016): Impact factor 2.344
BFI (2015): BFI-level 2
Scopus rating (2015): CiteScore 2.69 SJR 1.269 SNIP 1.237
Web of Science (2015): Impact factor 2.238
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 2.66 SJR 1.268 SNIP 1.28
Web of Science (2014): Impact factor 2.652
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 2
Scopus rating (2013): CiteScore 2.7 SJR 1.325 SNIP 1.279
Web of Science (2013): Impact factor 2.345
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): CiteScore 2.51 SJR 1.364 SNIP 1.23
Web of Science (2012): Impact factor 2.353
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): CiteScore 2.53 SJR 1.478 SNIP 1.364
Web of Science (2011): Impact factor 2.324
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): SJR 1.307 SNIP 1.319
Web of Science (2010): Impact factor 2.236
Web of Science (2010): Indexed yes
Leaching of LAS and nonylphenol from sludge amended soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Jacobsen, A., Mortensen, G.
Pages: 254-257
Publication date: 2001

Host publication information
Title of host publication: Proceedings
Place of publication: Chania
Publisher: Technical University of Crete
Editor: Kalogerakis, N.
Source: orbit
Source-ID: 303072
Research output: Research › Article in proceedings – Annual report year: 2001

Leaching of LAS and nonylphenol from sludge-amended soil. A lysimeter study

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Jacobsen, A., Mortensen, G.
Publication date: 2001
Peer-reviewed: No
Event: Abstract from SETAC Europe Conference on Organic Soil Contaminants 2001, Copenhagen, Denmark.
Source: orbit
Source-ID: 303071
Research output: Research › Conference abstract for conference – Annual report year: 2001

Natural toxins in agricultural crops

General information
Nedbrydning af miljøfremmede stoffer i jord-plantesystemer og optag i planter

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Kure, L., Ambus, P., Laturnus, F., Grøn, C.
Pages: 9-11
Publication date: 2001
Peer-reviewed: Unknown

Publication information
Journal: Miljøforskning
Issue number: 49
ISSN (Print): 0907-4678
Original language: Danish
Source: orbit
Source-ID: 303381
Research output: Communication › Journal article – Annual report year: 2001

PAH-forbindelser - tilgængelighed i jord og optag i planter

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 2001

Host publication information
Title of host publication: Kvalitet fra jord til bord
Place of publication: København
Publisher: Levnedsmiddelcentret
Source: orbit
Source-ID: 302199
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Plant uptake of LAS and DEHP from sludge amended soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Grøn, C., Laturnus, F., Mortensen, G., Egsgaard, H., Samsøe-Petersen, L., Ambus, P., Jensen, E.
Pages: 99-111
Publication date: 2001

Host publication information
Title of host publication: Persistent, bioaccumulative, and toxic chemicals. Vol. 1. Fate and exposure
Volume: 772
Place of publication: Washington, DC
Publisher: American Chemical Society
Editors: Lipnick, R., Hermens, J., Jones, K., Muir, D.
ISBN (Print): 0-8412-3674-7
(ACS Symposium Series, 772).
Source: orbit
Source-ID: 302157
Uptake and metabolization of sewage sludge associated organic contaminants in crop plants

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Kure, L., Mortensen, G., Ambus, P.
Publication date: 2001
Peer-reviewed: No
Event: Abstract from SETAC Europe Conference on Organic Soil Contaminants 2001, Copenhagen, Denmark.
Source: orbit
Source-ID: 303070
Research output: Research › Conference abstract for conference – Annual report year: 2001

LAS in soil samples - Results from an interlaboratory study

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Cassani, G., Verge, C., Volfing, M., Bennetzen, S.
Pages: 1558-1565
Publication date: 2000

Host publication information
Title of host publication: Proceedings
Place of publication: Firenze
Publisher: CESIO
Source: orbit
Source-ID: 301477
Research output: Research › Article in proceedings – Annual report year: 2000

Miljøfremmede stoffers omsætning i jord og optag i planter

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Kure, L., Ambus, P., Laturnus, F., Grøn, C.
Pages: 143-147
Publication date: 2000
Peer-reviewed: No

Publication information
Journal: Vand & Jord
Volume: 7
ISSN (Print): 0908-7761
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 301824
Research output: Research › Journal article – Annual report year: 2000

Miljøfremmede stoffers omsætning og optag i planter

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G., Kure, L., Ambus, P., Laturnus, F., Grøn, C.
Publication date: 2000
Peer-reviewed: No
Optag af PAH'ær i planter samt hvilke analysemetoder der kan benyttes hertil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Samsøe-Petersen, L., Mortensen, G.
Pages: 23-36
Publication date: 2000

Host publication information
Title of host publication: Tjære og PAH-forureninger under et
Place of publication: Lyngby
Publisher: Akademiet for de Tekniske Videnskaber, ATV
Source: orbit
Source-ID: 302146
Research output: Research › Article in proceedings – Annual report year: 2000

Removal of organic contaminants by crops grown in agricultural soil after sewage sludge application

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Laturnus, F., Mortensen, G., Grøn, C., Kure, L., Ambus, P.
Publication date: 2000
Peer-reviewed: No
Source: orbit
Source-ID: 300986
Research output: Research › Conference abstract for conference – Annual report year: 2000

Tilgængelighed af olie- og benzinforureninger i forurenet og renset jord

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 2000
Peer-reviewed: No
Event: Abstract from ATV møde om teknikker til ventilering af forurenet jord og grundvand, Gentofte (DK), 9 Nov, .
Source: orbit
Source-ID: 301478
Research output: Research › Conference abstract for conference – Annual report year: 2000

Uptake of sewage sludge associated organic contaminants in crop plants

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Kure, L., Mortensen, G., Laturnus, F., Ambus, P.
Publication date: 2000
Peer-reviewed: No
Source: orbit
Source-ID: 300987
Research output: Research › Conference abstract for conference – Annual report year: 2000
Uptake of sewage sludge associated organic contaminants in crop plants

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Kure, L., Mortensen, G., Ambus, P.
Publication date: 2000
Peer-reviewed: No
Source: orbit
Source-ID: 301864
Research output: Research › Conference abstract for conference – Annual report year: 2000

Degradation of organic contaminants in sludge-amended agricultural soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Laturnus, F., Grøn, C., Mortensen, G., Ambus, P., Bennetzen, S., Jensen, E.
Pages: 15-20
Publication date: 1999

Host publication information
Title of host publication: Phytoremediation and innovative strategies for specialized remedial applications
Place of publication: Columbus, OH
Publisher: Battelle Memorial Institute
Editors: Leeson, A., Alleman, B.
Source: orbit
Source-ID: 300109
Research output: Research › Article in proceedings – Annual report year: 1999

Nedbrydning af LAS i jord og optag i planter. Resultater fra væksthusforsøg

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 1999
Peer-reviewed: No
Source: orbit
Source-ID: 299817
Research output: Research › Conference abstract for conference – Annual report year: 1999

Planteoptag af organiske forbindelser

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Mortensen, G.
Publication date: 1999
Peer-reviewed: No
Event: Abstract from Møde på VKI, Hørsholm (DK), 27 Oct, .
Source: orbit
Source-ID: 299698
Research output: Research › Conference abstract for conference – Annual report year: 1999

Plant uptake and soil degradation of organic contaminants in sludge amended soil

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Grøn, C., Laturnus, F., Mortensen, G., Egsgaard, H., Bennetzen, S., Ambus, P., Jensen, E.
Research on organic contaminants in soil-plant systems

General information
State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Contributors: Laturnus, F., Grøn, C., Mortensen, G., Kure, L., Ambus, P.
Publication date: 1999
Peer-reviewed: No
Event: Abstract from Cost Action 837 meeting: Plant biotechnology for the removal of organic pollutants and toxic methods from waste water and contaminated sites, Chatham (GB), 4-5 Mar, .
Source: orbit
Source-ID: 300448
Research output: Research › Journal article – Annual report year: 1999

Research on organic contaminants in soil-plant systems

Uptake and degradation of LAS in sludge amended and spiked soil - the importance of vegetation