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This is the information you have filled in the request for Scientific opinion on application for authorisation of genetically modified Soybean MON 87708 x MON 89788 x A5547-127 for food and feed uses submitted under Regulation (EC) No 1829/2003 by Monsanto (EFSA- GMO-NL-2016-135)

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Public : Yes

3. Environmental risk assessment

Aanvulling 3: ook in opdracht van Stichting Ekopark, Donaustraaf 152, 8226 LC, Lelystad.

Er komen steeds meer berichten uit de USA dat het onkruid Palmer Amaranth is bestand geworden tegen talrijke bestrijdingsmiddelen.

GMWatch: "King of weeds" Palmer amaranth resistant to herbicides used on GM crops.

<https://www.gmwatch.org/en/news/latest-news/19078>

Published: 05 August 2019

As glyphosate, dicamba and 2,4-D fail to kill the superweed, chemical company experts recommend turning to agroecological practices

Scientists in the US are sounding the alarm about a crop-smothering weed that is growing resistant to multiple herbicides used on GM herbicide-tolerant crops, according to an article in Chemical & Engineering News. (CEN). <https://cen.acs.org/business/specialty-chemicals/Palmer-amaranth-king-weeds-cripples/97/i31>

Palmer Amaranth Management in Soybeans

Palmer Amaranth Distribution and Biology

For example, many Palmer amaranth populations exhibit resistance to both ALS-inhibiting herbicides (Group 2) and glyphosate (Group 9), and a more recently identified Palmer amaranth population has shown resistance to herbicides from three different sites of action: ALS- (Group 2), Photosystem II- (Group 5) and HPPD-inhibiting (Group 27) herbicides.

https://weeds.cscience.missouri.edu/publications/50737_FINAL_FactSheet_PalmerAmaranth.pdf

8 maart 2019: K-State researchers confirm case of 2,4-D resistance in Palmer amaranth
Study is first-ever confirming the noxious weed's resistance to the common herbicide

HAYS, Kan. – A Kansas State University researcher is reporting the first-ever study confirming that Palmer amaranth has developed resistance to the herbicide 2,4-D, findings that may signal an important step in developing future controls for the pesky weed. <https://www.ksre.k-state.edu/news/stories/2019/03/palmer-amaranth-resistance-to-herbicides.html>

Dit is nog maar een greep uit vele berichten hierover.

4. Conclusions and recommendations

Lees het laatste nieuws over de ontwikkelingen op GMO-gebied via www.gentechvrij.nl

5. Others

6. Labelling proposal