

EXHIBIT D

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LibertyLink (gene)

LibertyLink is a BASF owned brand of genes for use in agriculture providing tolerance to Liberty herbicide and glufosinate (a.k.a. Liberty or Basta). The genes were developed by Bayer CropScience, before being sold to BASF Ag in late 2017. LibertyLink provides an herbicide resistance system that is still effective in the presence of glyphosate resistant weeds.^[1] The gene which gives resistance to glufosinate is a bar or pat gene which was first isolated from two species of *Streptomyces* bacteria. Glufosinate was included in a biocide ban proposed by the Swedish Chemicals Agency^[2] and approved by the European Parliament on January 13, 2009.^[3]

Crops

The LibertyLink gene is available in a variety of crops including corn, cotton, canola, sugarbeet and soybean. It is not available in rice.^{[4][5]}

References

1. <http://southeastfarmpress.com/soybeans/ignite-herbicide-0731/>
2. "Interpretation of criteria for approval of active substances in the proposed EU plant protection regulation" (https://web.archive.org/web/20090101024604/http://www.kemi.se/templates/News___5415.aspx). Swedish Chemicals Agency (Kemi). 2008-09-23. Archived from [the original](http://www.kemi.se/templates/News___5415.aspx) (http://www.kemi.se/templates/News___5415.aspx) on January 1, 2009. Retrieved 2009-01-14.
3. "MEPs approve pesticides legislation" (https://web.archive.org/web/20090125031216/http://www.europarl.europa.eu/news/expert/infopress_page/066-45937-012-01-03-911-20090112IPR45936-12-01-2009-2009-false/default_en.htm). 2009-01-13. Archived from [the original](http://www.europarl.europa.eu/news/expert/infopress_page/066-45937-012-01-03-911-20090112IPR45936-12-01-2009-2009-false/default_en.htm) (http://www.europarl.europa.eu/news/expert/infopress_page/066-45937-012-01-03-911-20090112IPR45936-12-01-2009-2009-false/default_en.htm) on January 25, 2009. Retrieved 2009-01-14.
4. http://www.farmandranchguide.com/articles/2008/08/16/ag_news/production_news/duc19.txt
5. <http://deltafarmpress.com/rice/ge-rice-1209/index.html>

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