

**Table 2: Impact of Proposed GE Seed Contamination Directive on Arable Land of EU Accession States (including Turkey) Upon Enlargement**

**Close to 6.9 million hectares of arable land in the 13 EU accession countries (inc Turkey) are currently planted with maize or oilseed rape.** Since one variety of genetically engineered (GE) oilseed rape and two varieties of GE maize already have approval for growing in the EU, all of this land could be affected by the seed contamination directive. This table shows by country how many genetically engineered plants could be released through seed contamination across the 13 accession countries in if the proposed thresholds for seed contamination in maize (0.5%) and oilseed rape (0.3%) are adopted.

**11,430 million unregulated GE plants could be released across an enlarged Europe ( EU 15 plus accession states including Turkey). If planted together this many GE plants would represent a cumulative area of 64,271 hectares or over 642km<sup>2</sup>. That is equivalent to planting an area of 91,815 football pitches**

Crop areas and number of GE plants that would be growing at the proposed EU levels of contamination for GE seed in the Accession States (data for 2000)														
	Total for accession states	Bulgaria	Cyprus	Czech Rep	Estonia	Hungary	Lithuania	Latvia	Malta	Poland	Romania	Slovenia	Slovakia	Turkey
<b>Oilseed rape</b> area (thousand hectares)	1 128	n/a	n/a	324	28.8	116	55.5	6.9	n/a	437	68.4	0.122	91.7	
No. of hectares GE at 0.3 % contamination	3 380			972	86	347	167	21		1 310	205	0.366	275	
Plants per hectare = 500,000														
GE plants (millions)	1 690			486	43.2	174	83.3	10.4		655	103	0.183	138	
<b>Grain maize</b> area (thousand hectares)	5 766	576	n/a	47.3	0	1 193	n/a	0	n/a	152	3 049	48	145	555
No. of hectares GE at 0.5 % contamination	28 800	2 880		236		5 960				761	15 200	240	725	2 780
Plants per hectare = 100,000														
GE plants (millions)	2 880	288		23.6		596				76.1	1520	24.0	72.5	277

**Notes**

n/a = data not available

1 km<sup>2</sup> = 100 hectares

A FIFA-standard football pitch = 0.7 hectares

Calculated data are given to 3 significant figures, whilst crop area data are given to the nearest 1000 hectares, or to 3 significant figures if below 100,000 hectares where available.

**Data sources**

Crop areas: Data supplied by Eurostat Datashop upon request. <http://europa.eu.int/comm/eurostat/Silage/forage> maize data were not available for accession countries.