

## **Monitoring the Presence of GM Ingredients on the Irish Market in 2011**

Authorised GM food ingredients are allowed on the EU market and must be labelled accordingly once their content exceeds 0.9% of the total ingredient. Food samples collected by environmental health officers are analysed by the Public Analyst's Laboratory in Cork for the presence of GM ingredients.

GM ingredients present at trace levels are presumed to be adventitious and therefore in accordance with the legislation.

Of the 58 food samples containing soya, maize or rice analysed in 2011, 14 (24%) were found to contain GM ingredients. Three samples were found to contain GM ingredients (one soy and two maize) at levels greater than the 0.9% labelling threshold and the food business operators notified of this situation. Nine of the 30 soy-containing samples (30%) were found to have GM soya (MON40-3-2). Five of the 17 maize-containing samples (29%) contained GM maize (MON810). Bt63 rice was not detected in any of the 11 rice-containing food samples analysed.



Foods containing Soya		Levels	Foods containing Maize		Levels
1	MON 40-3-2	4.4% +/- 0.5%	1		-
2		-	2	MON810	<0.1%
3		-	3	MON810	<0.1%
4		-	4		-
5	MON 40-3-2	<0.1%	5	MON810	26%+/-4.6%
6		-	6		-
7	MON 40-3-2	<0.1%	7		-
8		-	8	MON810	<0.2%
9		-	9		-
10		-	10		-
11		-	11		-
12		-	12		-
13		-	13		-
14		-	14		-
15		-	15	MON810	36%+/-4%
16		-	16		-
17		-	17		-
18		-	<b>Foods containing Rice</b>		<b>Levels</b>
19		-	1		-
20	MON 40-3-2	<0.5%	2		-
21	MON 40-3-2	<0.2%	3		-
22		-	4		-
23		-	5		-
24	MON 40-3-2	<0.1%	6		-
25		-	7		-
26		-	8		-
27	MON 40-3-2	<0.1%	9		-
28	MON 40-3-2	>0.1%	10		-
29		-	11		-
30	MON 40-3-2	<0.1%			

Soy-containing foods were generally tested for GM-specific event MON40-3-2.

Maize and rice samples were screened for 35-S promoter and NOS terminator DNA sequences.

Positive maize from screening were tested for the presence of MON810 or Bt11

Positive rice samples were tested for the presence of Bt63