

## Genetic Modification (GM)

The SAGL screened 15 of the crop samples to test for the presence of CP4 EPSPS (Roundup Ready).

The crop quality samples received by the SAGL are composite samples per class and grade, made up of individual deliveries to grain silos.

SAGL used the EnviroLogix QuickComb kit for bulk soybeans to quantitatively determine the presence of genetically modified soybeans.

All of the samples tested positive for the presence of CP4 EPSPS.

GMO Protein/Trait	Event	Trade name/Brand
CP4 EPSPS	GTS40-3-2 MON89789	Roundup Ready®

The detection range for the CP4 EPSPS trait is 0.125% to 3%. The limit of quantification (LOQ) is therefore 0.125%.

Values higher than 3%, the highest value of the detection range for the CP4 EPSPS trait, are reported as > 3%.

The Coefficient of Variation for this analysis is 20%.

**Table 4: GM results for the 2012/2013 season**

Region	Class and grade	CP4 EPSPS, %
10	SB1	>3.0
17	SB1	2.4
21	SB1	>3.0
25	SB1	>3.0
26	COSB	3.0
28	SB1	>3.0
29	SB1	>3.0
30	SB1	>3.0
30	SB1	>3.0
31	SB1	>3.0
32	SB1	>3.0
33	SB1	>3.0
34	SB1	2.6
35	SB1	2.9
36	SB1	>3.0
<i>Average</i>		>3.0
<i>Number of samples</i>		15