

**DECISION TAKEN PRIOR TO ENFORCEMENT OF
BIOSAFETY ACT 2007**

**APPLICATION FOR APPROVAL FOR IMPORT FOR RELEASE OF
PRODUCTS OF MON 4032 SOYBEAN (GTS 40-3-2) FOR SUPPLY OR
OFFER TO SUPPLY FOR SALE OR PLACING IN THE MARKET**

**NBB REF. NO: JBK(S) 602-1/1
APPLICANT: MONSANTO**

**DECISION ACKNOWLEDGED BY NATIONAL BIOSAFETY BOARD:
25 MAY 2010**

Description:

Glyphosate tolerant soybean variety is produced by inserting a modified CP4 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS) encoding gene from the soil bacterium *Agrobacterium tumefaciens*. EPSPS is an enzyme involved in the shikimic biochemical pathway for the production of the aromatic amino acids. Expression of the CP4 EPSPS gene in the plasmid used for this transformation was regulated by an enhanced 35S promoter (E35S) from cauliflower mosaic virus (CaMV), a chloroplast transit peptide (CTP4) coding sequence from *Petunia hybrida*, and a nopaline synthase (nos 3') transcriptional termination element from *Agrobacterium tumefaciens*.

Safety Assessment:

The nutritional equivalence and wholesomeness of GTS 40-3-2 soybean compared to conventional soybeans was demonstrated by the analysis of key nutrients, including proximates, amino acid and fatty acid composition, as well as anti-nutrients. The nutritional equivalence of GTS 40-3-2 soybean to conventional soybean was confirmed in numerous feeding studies with rats, cows, pigs, broiler chickens, fish and quail. The environmental impact of Roundup Ready™ GTS 40-3-2 soybean is also comparable to conventional soybeans. Study results show that Roundup Ready™ GTS 40-3-2 soybean are as safe as conventional soybeans with respect to food, feed and environmental safety.

This soybean variety is being imported into the country for the food, feed and processing industry and shall not be used for intentional introduction into the environment.