EXECUTIVE SUMMARY

Corteva Agriscience Australia Pty Ltd, on behalf of Pioneer Hi-Bred International, Inc. (Pioneer), is submitting this application to FSANZ to vary the Code to approve food uses of insect-resistant maize (*Zea mays* L.) event COR-ØØ121-4 (referred to as COR121 maize), a new food produced using gene technology.

COR121 maize was genetically modified to expresses the IPD083Cb protein for control of certain susceptible lepidopteran pests and the phosphomannose isomerase (PMI) protein that was used as a selectable marker. The IPD083Cb protein has recently been evaluated by FSANZ in the insect-protected soybean line COR23134, which was added to Schedule 26 in August 2025 (A1323 application). The PMI protein is found in several approved events that are currently in commercial use (ISAAA, 2025).

This application presents information supporting the safety and nutritional comparability of COR121 maize to conventional maize. The molecular characterization analyses conducted on COR121 maize demonstrated that the introduced genes are integrated at a single locus, stably inherited across multiple generations, and segregate according to Mendel's law of genetics. The allergenic and toxic potential of the IPD083Cb and PMI proteins were evaluated, and these proteins were found unlikely to be allergenic or toxic to humans or animals. A composition assessment demonstrated that the nutrient composition of COR121 maize forage and grain is comparable to that of conventional maize, represented by non-genetically modified (non-GM), near-isoline maize and non-GM commercial maize.

Overall, data and information contained herein support the conclusion that COR121 maize, containing the IPD083Cb and PMI proteins, is as safe and nutritious as conventional maize for food use.