



## Evaluation Report for Category B, Subcategory B.4.1 Application

**Application Number:** 2007-8915  
**Application:** B.4.1 (Conversion to full registration without consultation)  
**Product:** Genesis XT Potato Seed-Piece Treatment  
**Registration Number:** 28160  
**Active ingredients (a.i.):** Imidacloprid (IMI), Mancozeb (MCZ), Thiophanate-methyl (TPM)  
**PMRA Document Number :** 2251376

### Purpose of Application

The purpose of this application was to convert Genesis XT Potato Seed-Piece Treatment (containing the active ingredients imidacloprid, mancozeb and thiophanate-methyl) from conditional registration to full registration.

### Chemistry Assessment

Genesis XT Potato Seed-Piece Treatment is a powder formulation containing three active ingredients: imidacloprid, mancozeb and thiophanate-methyl at a nominal concentration of 1.25%, 6.0% and 3.0%, respectively. This end-use product has a density of 0.59 g/mL. The chemistry requirements for Genesis XT Potato Seed-Piece Treatment have been completed.

### Health Assessments

Genesis XT Potato Seed-Piece Treatment is of low toxicity to rats via the oral, dermal, and inhalation routes. It is mildly irritating to the eye but not to the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

No new food residue chemistry data were submitted in support of the current application. Exposure to residues of imidacloprid, mancozeb and thiophanate-methyl in/on potatoes treated according to the label directions for Genesis XT Potato Seed-Piece Treatment remains acceptable and below the level of concern for each population subgroup including adults, infants and children.

The use of Genesis XT Potato Seed-Piece Treatment fits within the existing use pattern for imidacloprid, mancozeb and thiophanate-methyl. Exposure is not expected to increase when compared to currently registered products.

### Environmental Assessment

Genesis XT Potato Seed-Piece Treatment fits within the current use pattern for imidacloprid, mancozeb and thiophanate-methyl. Adverse effects to non-target organism greater than those for

the already registered products containing the same active ingredients are not expected; environmental concerns are mitigated by existing label statements.

### **Value Assessment**

A value assessment was not required for this application as no new efficacy data were submitted.

### **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to convert Genesis XT Potato Seed-Piece Treatment from conditional to full registration.

Please note that the active ingredients mancozeb and thiophanate-methyl are currently under re-evaluation. Any decision pertaining to this current submission can be overruled by the re-evaluation decision for each active ingredient under re-evaluation.

### **References**

- 1525895      2007, Assessment of Worker Exposure and Risk Resulting from Treatment of Potato Seed-Pieces with Genesis XT and MZ Potato Seed-Piece Treatment, DACO: 5.4,5.6
- 1525896      2001, Determination of exposure to pencycuron during loading and application of Moncereen-Droogontsmetter (Monceren DS 12.5) in potato fields, DACO: 5.4,5.6

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