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Breeding for low cadmium accumulation cereals

Key words: Cereals, Low-Cd accumulation, Genes/QTL mapping, Breeding

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Research Summary

- **This review mainly focused on the current advances in breeding low-Cd cereal crops in the following aspects:**
  Genes related to Cd accumulation; QTL associated with Cd accumulation; Current advances in breeding low-Cd cultivars

- **Introduction of the main sources of soil Cd and its adverse effects on human health.**

- **Summary of the major genes and QTLs associated with Cd accumulation in cereal crops.**

- **Emphasis of the application of various methodologies for breeding low-Cd cultivars.**

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