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Breeding for low cadmium accumulation cereals

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

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.