

CARBON DIOXIDE FUMIGATION OF ORGANIC GRAINS
FOLLOWED BY REFRIGERATED AERATION

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Organic grain was fumigated on receipt with carbon dioxide. Concentrations were maintained above 35% for 15 days by topping up by continuous addition via the recirculation system.

Integration with refrigerated aeration has allowed long term storage without the need for refumigation. This ICM strategy has provided the means to outload insect free grain in 60 tonne batches over a storage period of 24 months.

Results of trapping in the storage area are discussed as well as the equipment and operational costs of implementing the strategy are described.