

## THE USE OF THE "DOUBLE-LOW" INSECT CONTROL TECHNIQUE IN SICHUAN PROVINCE

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The hot, humid and rainy climate of the Sichuan State, P. R. of China, is perfect for insect propagation. Insecticides alone are not adequate for pest control so the new "double-low" technique has been introduced. This method combines controlled atmospheres (CA) with fumigation and also involves sealing, using chemical insecticides, monitoring temperature and grain moisture, and determining the density of the pest population.

A concentration of 3 to 5% carbon dioxide and phosphine causes a faster intake of phosphine by the pest species and promotes insect control. Currently, about 70% of the bins in the state of Sichuan use the "double-control" method of grain storage. This method has saved the State more than 50 million yuan.