Title	Storing farmers stock peanuts in monolithic domes
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Abstract

Commercial and research facilities were constructed to store farmer stock peanuts in monolithic concrete domes. These structures have potential advantages over conventional metal buildings used to store peanuts including sanitation, construction time, and temperature stability. Four 3.7m diameter domes were constructed, instrumented, and equipped to control temperature and humidity using either air conditioning or ambient aeration. Two of the domes were equipped to provide a low oxygen atmosphere to store the peanuts and determine its effect on peanut quality. Temperatures have been very stable throughout the storage period. Some condensation occurred subsequently wetting the peanuts in the air conditioned units. Improved distribution systems are needed to prevent concentrating foreign material in the middle of the peanut mass.