

Results are reported on the stability of 8 lots of fallout shelter cereal rations and 4 lots of carbohydrate supplement stored 7 and 6 years, respectively, at 70 F/80% r.h., 70 F/57%, 40 F/57% and 0 F/ambient r.h.

Cereal rations included 3 lots each of survival crackers and biscuits and 2 lots of bulgur wheat wafers. Samples of 10 items (3 crackers, biscuits, 1 wafer) held 3-7 years at 70 F/57% after withdrawal from warehouse stocks were also examined.

Sampling of the 8 cereal items held 7 years at 100 F/80% and 100 F/57%, but judged rancid after 5 years at 100, was limited to determination of canspace gases, and 3 supplement item held 6 years at 100 but judged unsuitable in color after 4 years at these conditions were omitted.

Data include (1) general storage condition, bursting strength, and moisture content of V3c fiberboard cases, (2) leaking, defects of coating, corrosion, and canspace gases in 2 1/2-gallon and 5-gallon metal cans, (3) breakage of package seals, seams or materials, and of products units, (4) fracture strength and rancidity values of cereal items, (5) pH and sugar contents of supplement items, and (6) moisture content, color, sensory quality scores, and hedonic ratings of all items.

Brief comparisons of results of this final examination of the stored rations with those of previous examinations are also included.