Study the effect of various types and thickness of plastic films, 15 and 25 μm LLDPE, 15 μm PVC and PVDC on shelf-life of sweet corn (Zea mays var. saccharata cv. ATS-2) placed at 5±2°C. Sweet corn wrapped with PVC and FVDC plastic films had shelf life of 6 days while wrapping with 15 and 25 μm LLDPE and control had shelf-life of 4,4 and 2 days, respectively. The individually wrapped sweet corn with PVC and PVDC plastic films can delay the decreasing of sucrose content and respiration rate better than wrapped sweet corn with LLDPE. But, the highest water loss was found when wrapped with PVC and PVDC plastic films.