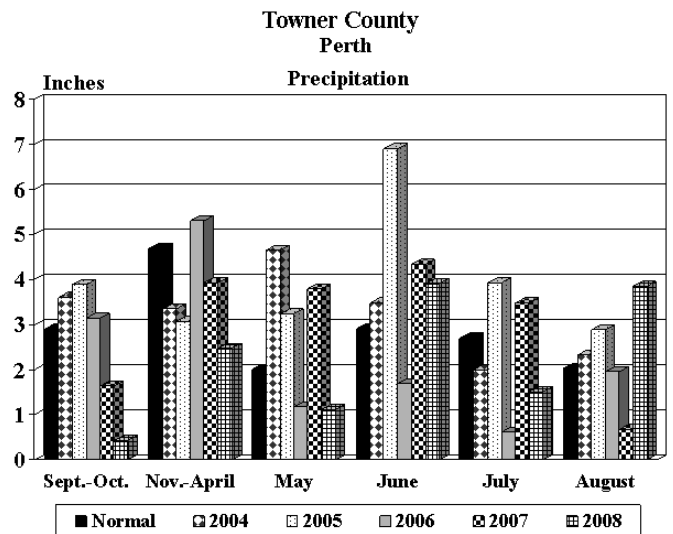
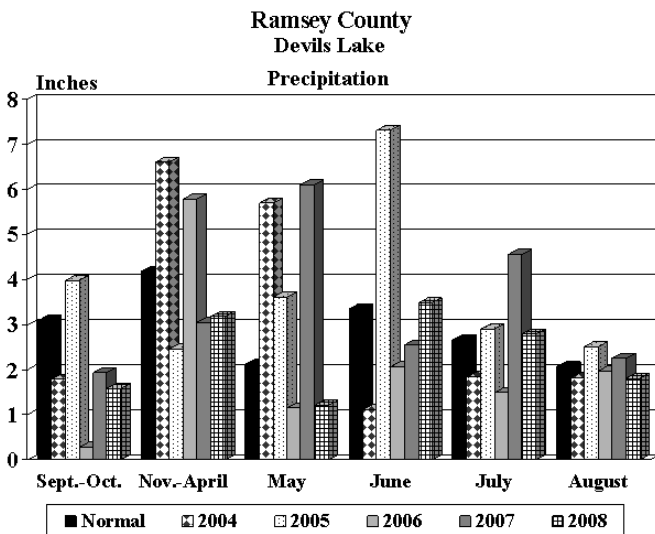
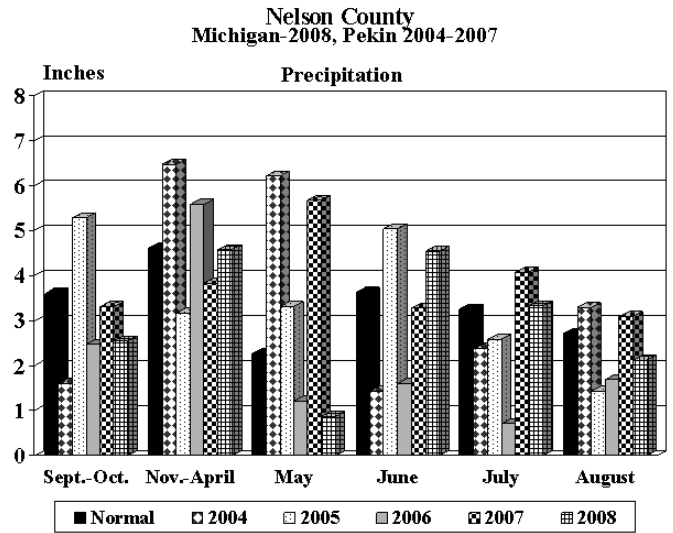
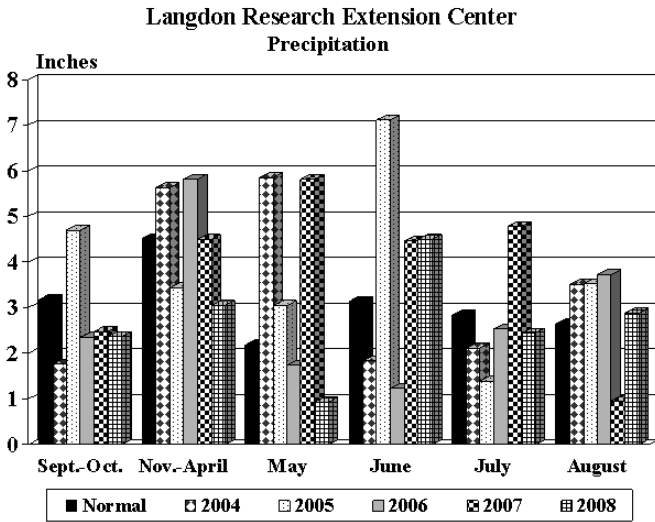
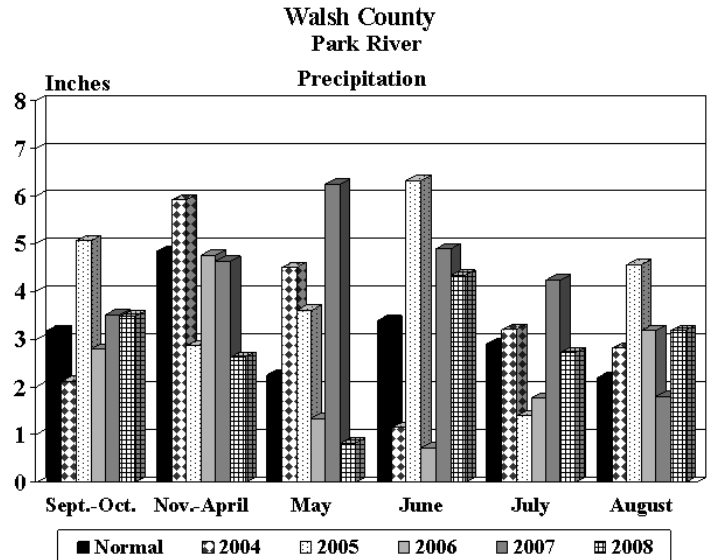
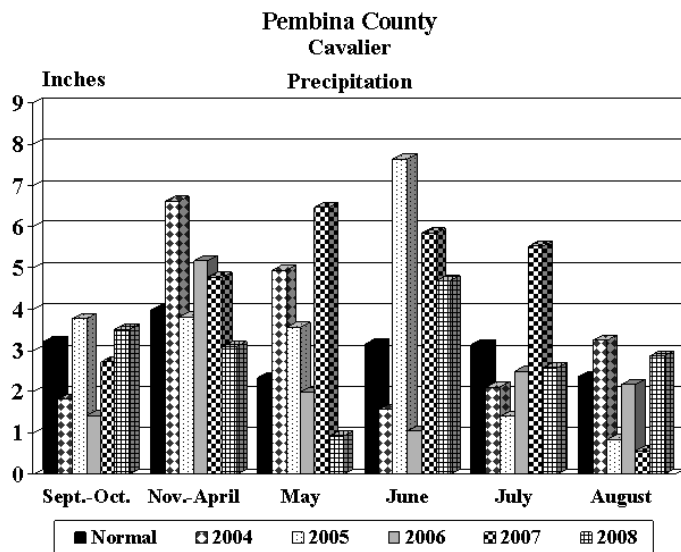


## Langdon Research Extension Center and Off-Station 2004-2008 Precipitation Summaries

The graphs shown below indicate precipitation amounts from Langdon and each off-station location. Precipitation totals from the Langdon Research Extension Center are recorded on site while precipitations amounts from off-station locations are gathered from the nearest reporting weather station(s) to the trial. Normal precipitation totals are from 1961-1990 except Langdon, which is from 1896-2007. Normal precipitation totals from Michigan and Perth are taken from Petersburg and Leeds, respectively. September-October and November-April precipitation totals are fall and winter recharge for the next years cropping season. Additional information on where precipitations totals were gathered for specific locations are as follows; 2004-2008 Park River Totals are from Grafton, Forest River, Adams and Grand Forks area. Pekin totals are from Petersburg and McHenry. Perth totals are from Cando, Hansboro, Rolla and Rolette.

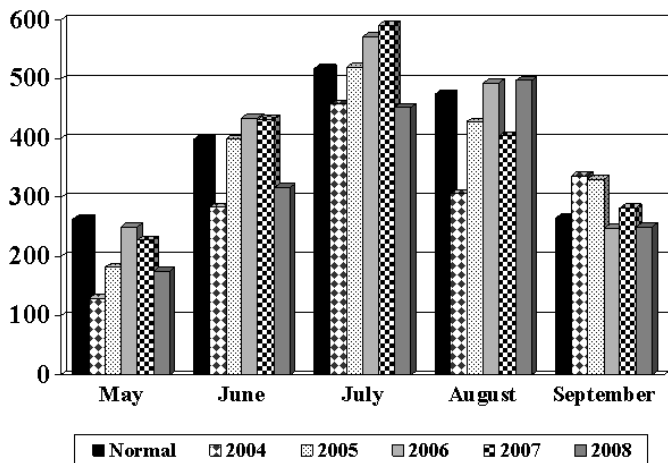




### Growing Degree Days

Growing degree-days is a measure of heat units which relates plant development to air temperature. Cereal crops require a minimum temperature of 32<sup>0</sup> F in order for plant development to begin while corn requires a minimum temperature of 50<sup>0</sup> F. Plant development increases activity up to an optimum temperature of 95<sup>0</sup> for cereals and 86<sup>0</sup> for corn at which point plant development begins to retard. Corn growing degree days can be used as a general guide for plant development in other warm season crops.

**Langdon Research/Extension Center  
Corn Growing Degree Days**



**Langdon Research/Extension Center  
Small Grain Growing Degree Days**

