



Figure 5A. Pictures of (A) small sample of collected wet cyanobacterial mat (B) dried and ground cyanobacteria and (C) process of grinding in mortar and pestle. Commercial grinding machine (Model # BL-230) will be used to process the biofertilizer required for greenhouse study and field trials.



Figure 5B. Visual observation showing interveinal chlorosis (possibly Fe deficiency) in plant leaves of control plots. Leaves with full cyanobacteria fertilizer application were greener in color



Plants after 4 weeks

Plants after 7 weeks

Figure 5C. Visual observation of okra plant at week-four and week-seven after sowing. Treatments were 100% synthetic fertilizer, 100% cyanobacteria biofertilizer, 50-50% synthetic + cyanobacteria, and control (from left to right).