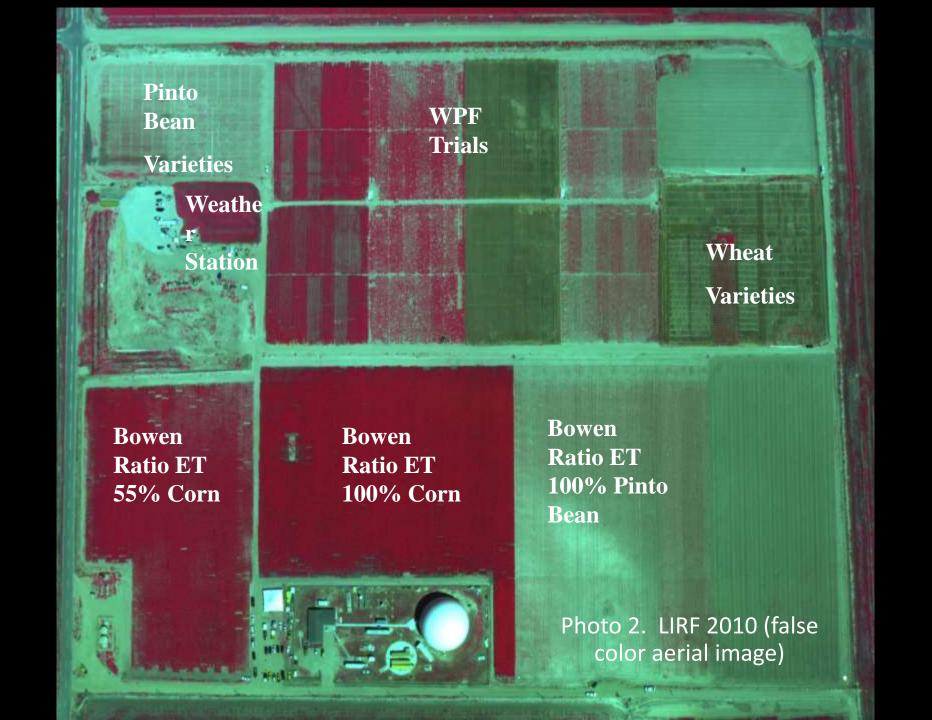
Photos of USDA-ARS Maize Water Productivity Trials 2008 - 2011

Tom Trout



Photo 1. USDA-ARS Limited Irrigation Research Farm, Greeley, CO



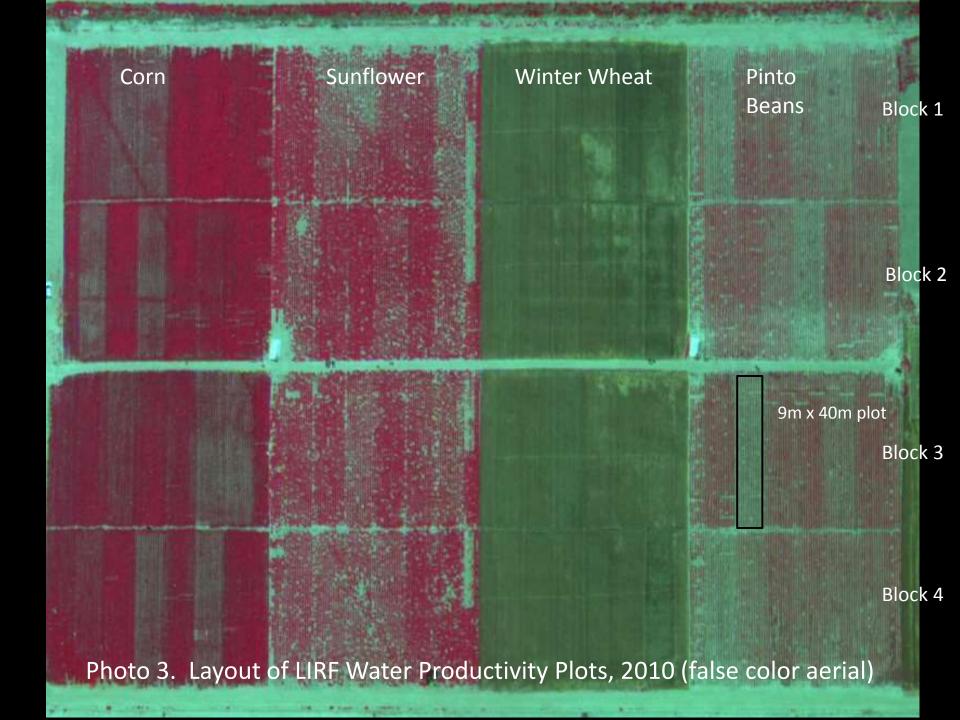




Photo 4. Aerial Image of LIRF Water Productivity Plots, 2008





Photo 6. LIRF WPF Trial irrigation control and monitoring system showing hydraulic valves and turbine flow meters for each treatment.





Photo 7. LIRF Weather Station – CoAgMet GLY 04





Photo 9. Young maize planted in wheat residue, and drip tubing





Photo 11. Impact of water treatment on maize growth at tassling showing short plants due to water stress in the foreground.



Photo 13. WPF Maize on 7/28/08 showing effects of treatments T1 and T6 on crop growth and condition. Images from high clearance reflectance tractor used to determine canopy ground cover

T1: fc = 91%

T6: fc = 63%





Photo 14. Effect of water treatment on maize ear size and grain fill





Photo 16. Bowen Ratio Energy Balance instrumentation in adjoining maize field, 2010

