Several market pressures (new GM events, food safety, food security regulations) are creating the need for more traceability of raw grains. In 2007, a question arose related to planting GM corn that was not fully world approved. There is a need for a practical, auditable third-party supported protocol that can be used by producers and handlers to plant such grains in the future, because GM events will be used to create the increased yield required for biofuels. This project did not get a significant start in FY2008 and therefore is carried forward.

**Objectives for FY2009**

1. Create a practical and potentially auditable protocol for large scale grain production/documentation using US-only GM events as an example.
2. The proposed protocol will conform to ISO (2200x) and Codex Alimentarius traceability standards. The number of private and public standards met will be maximized.
3. Collaborate with one or more private standards entities.
4. Apply and evaluate a mapping (analysis) process for tracking grain from farm to end use.

**FY2009 Expected Outputs**

Description, flowchart, quality manual template, and expected resource requirements for progressively stringent isolation of incompletely approved GM events from market chains in which there is not yet acceptance. Process mapping example. Plan for public dissemination and testing with one or more GQI partners.