

1. A demonstration scale version of Global Grain in 3-D™ an interactive software program to be run off of the ADM Institute's web site. Users would be able to explore the world of corn, soybeans, and wheat across a variety of analytical spaces by crop/country/year; post-harvest loss, imports/exports, production and consumption, and socio economic variables.
 - The ADM Institute changed their request to a two-minute video on PHL in India
 - We delivered the two minute video in February 2012
 - Project complete.
2. A dynamic multilayer geographic information map of all grain storage in Mato Grosso.
 - Downloaded the full CONAB database
 - Data are currently in place
 - Data are being translated from rudimentary postal/location identifiers to GIS coordinates
 - Data routines have been developed to translate the current data into GIS coordinates
 - Data routines have been tested and do work
 - Once translated, then the full Mato Grosso database will be mapped
 - We are behind on this project
 - Took longer than expected to translate the postal data into GIS coordinates
 - But we are now the only group now to have a complete database of GIS coordinates of all storage facilities in Mato Grosso.
 - Starting in August 2012 a second student has been engaged to help with this project
 - Joao Medeiros, U Goias
 - Visiting researcher August – December 2012
 - There is no additional cost
 - Project should be complete by **December 15, 2012**
 - A GIS map of all storage in Mato Grosso
 - Combined with geographic, production, and logistics layers
3. A literature review and statistical overview of:
 - The state of on-farm storage in Mato Grosso
 - The state of HL and PHL losses from field to storage or sale.
 - This work is well underway
 - Graduate Student Anamaria Martins was sent to Mato Grosso for six weeks once her classes ended in May.
 - The working hypothesis for this research on storage is that the lack of financial transparency limits small and medium farmer's access to the capital needed to build on-farm storage.
 - There is no working hypothesis about HL or PHL. We are conducting exploratory research on PHL in Mato Grosso because there is little previous measurement, and even less formal research on the economics of HL and PHL among low latitude grain systems.
 - We have established a PHL Laboratory to study these issues in depth using seven farmers
 - These farms have been mapped and documented in detail as to key production, storage, equipment, cropping, and transport characteristics.
 - We have developed, tested and applied an interview instrument focused on PHL and on-farm storage practices and beliefs.
 - This is the first such survey of its kind with respect to
 - Mato Grosso

- Low latitude farming systems
 - Very few have been conducted in a developing country setting
 - Involving double systems (safrinha)
 - The instrument will be adapted to for broad survey of farmers in Mato Grosso (November, 2012)
- All seven Laboratory farmers have been interviewed and their responses are currently being transcribed
- We will produce a summary report of our findings on **September 1**.
- We have also interviewed the following in Mato Grosso about the finance and economics of private storage
 - Farmers
 - Bankers
 - Storage construction companies
- The results are currently being compiled
- The report will include a literature review
- The report will be complete **August 1**

4. Other items

- PHI and On-Farm Storage Conference planning has begun
 - Announcement October, 2012 World Food Prize
 - Marcelo Montiero, Aprosoya
 - Conference date: **February 2013**