

**Grower**

- Plans and grows one or more crops annually
- Manages one or more fields
- Crops are allocated to fields
- Plants fields in active rotation for the year with specific type and variety of crop
- Monitors and manages crop status and health during growing season
- Arranges for harvest of viable crops (could be done by grower or custom harvester)
- Arranges for transportation of harvested crops to next destination (could be self managed shipping, harvester managed shipping, external shipping contractor)
- Harvested crops may be transported to commercial intermediary / storage facility, grower managed storage facility, end customer.
- Maintains accounting of each load of crop removed from a field (date, quantity, destination, transportation information, type/variety, quality)

**Harvester**

- Works with grower to harvest one or more of the growers crops in one or more fields
- Harvester could be the grower or could be a custom harvester on a contract basis
- Harvester works with shipper to load harvested product for shipment to next destination, (harvester could also be the shipper)
- Harvester monitors and manages readiness of equipment used in harvest
- Harvester manages movement of equipment and crew to and between fields

**Shipper**

- Shipper is responsible for transporting harvested product to its next destination
- Shipper provides and manages vehicles and drivers for the transport of the harvested product.
- Shipper could be a separate entity, a function provided by the harvester or managed by the grower.
- Shipper keeps track of each load carried (date, starting point, destination, travel time, gross, tare and net of the load)
- Provides accounting to growers and harvesters (if separate entities)
- Monitors and manages readiness of equipment used in the transport of the harvested product.

**Field Manager**

- Creates Bill of Lading for each load
- Keeps track of trucks assigned to field
- Retrieves Bill of Lading for each completed load
- Tabulates weight for each load
- Keeps track of readiness of harvest equipment (down for repair, operating, wait for operator etc.)
- Could be a representative from the grower, the harvester or the shippper

**Commercial Storage**

- Receives loads of product from shipper on behalf of grower
- Keeps track of vehicle, gross, tare and net of load, date, product quality
- Provides this data to shipper representative (aka driver) at time of receipt
- Provides summary data of total of all loads received to associated grower, harvester, shipper as needed
-