| **Type of Damage** | **Evidence of Damage** | **Methods of Prevention/Control** |
| --- | --- | --- |
| **Short-weight units** | * Bags that appear slack
* Units not as heavy as normal when lifted
* Random sample weighing of units indicates short-weight
 | * Increase security in storage areas and during transport.
 |
| **Leaking units** | * Commodity spills/leaks during unloading
* Spilled/leaked commodity remaining in transport vehicle
* Units that are torn, split, or broken
* Loose commodity on warehouse floor, beneath stacks
 | * Do not use hooks during discharge or off-loading.
* Ensure transport vehicles are free of protrusions that can damage units.
* Lift bags by the body, not the corners (to prevent tearing or weakening of the bags).
* Never throw or drop units.
* Place units on stacks; do not throw them.
* Do not stack units higher than recommended.
* Avoid moving commodity before dispatch.
* Supervise reconstitution process.
 |
| **Quality deterioration** | * Units wet to the touch or dripping
* Units discolored or stained
* Unusual smell (moldy or chemical)
* Caking/hardening of commodity
* Rust on outside of tins/cans, especially near seams and lids
* Bulging or distorted tins/cans
 | * Transport in cargo containers if possible.
* If not possible, **alway**s cover commodity with tarpaulins during transport.
* Promptly repair any leaks in warehouse roof.
* Ensure adequate air circulation in warehouse and at least one (1) meter of free space around stacks.
* Promptly segregate suspect commodity.
* Maintain clean, empty containers, and ensure adequate space and labor available for prompt reconstitution.
* Practice FIFO (the inventory control method of “first in, first out”), except for reconstituted commodity.
 |
| **Rodent or bird infestation** | * Rodents or birds present
* Excrement on the floor or stacks
* Footprints in dust
* Units chewed or gnawed
* Nests present
 | * Keep both outside and inside of warehouse clean and free of debris.
* Promptly repair holes or openings in warehouse walls, floor, and roof.
* If possible, screen windows and ventilation openings.
* Set rodent traps along interior walls, on both sides of every exterior door, and in the rafters. Regularly inspect and clean the traps.
 |
| **Insect or moth infestation** | * Flying insects present
* Live or dead insects-or larvae-on warehouse floor or on stacks
* Traces of insects or larvae in dust
* Webs or cocoons between bags or in seams
* Small holes and excessive dust on grain bags
* Noise heard inside bags
* Irregular holes in the grain or beans
* Strong odor
 | * Spray empty warehouse before receiving commodities.
* Keep both outside and inside of warehouse clean and free of debris.
* Spray floor area before establishing stack.
* Dust stacks, and remove spider webs.
* Clean/vacuum **under stacks** on a regular basis.
* Establish and implement a fumigation management plan.
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