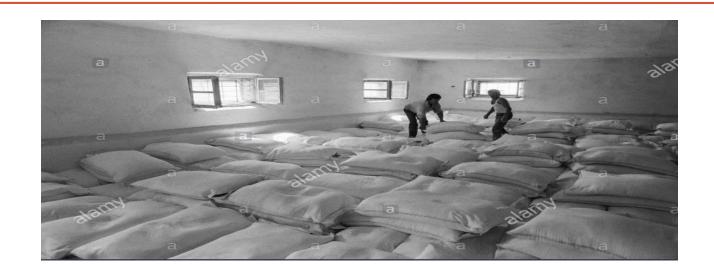
HANDLING & STORAGE OF FOOD AID COMMODITIES



Key steps of handling foodaid

- Commodities must be received in good condition
- Intake must be orderly and recorded
- Quality maintenance must be assured
- Security against theft and loss must be checked
- Any loss incurred must be identifiable and accountable
- The end-use requirements must be met.



Receiving Commodities



Receiving Commodities

- An assessment must be made of the usable capacity within the store.
- A storage plan should be prepared that will take into account the expected pattern of demand the store will have to meet.
- Space should be allocated according to the volume of stock expected, allowing easiest access to the most frequently moving stocks.
- The recommended distance between stacks is a minimum of 2 m to allow two workers carrying bags to pass.
- Incoming stocks must be carefully inspected.
- Damaged items are best stored separately and re-packaged where necessary.

Stacks

A <u>pile</u> of things <u>arranged</u> one on <u>top</u> of another.



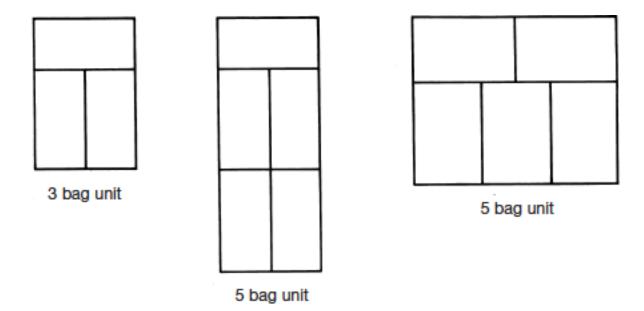


Storage of Commodities

STACKING: Within a store, stacks should be built clear of all walls, buttresses and roof supports in order to allow access all round for inspection, pest control and physical audit, and to permit free circulation of air.

- The recommended space between the stacks and walls or roof supports is 1 m.
- The tops of stacks should be clear of the roof or roof supports so that it is possible for a person to pass easily around all sides and over the top of each stack.
- This space is essential for inspection and for fumigation or other pest control work.
- Badly built stacks may collapse and injure people, or cause damage to the commodity and/or the fabric of the store.
- Pallets should use for staking.

- Many stacking patterns can be used for any size of stack.
- Staking patter for low unit bag

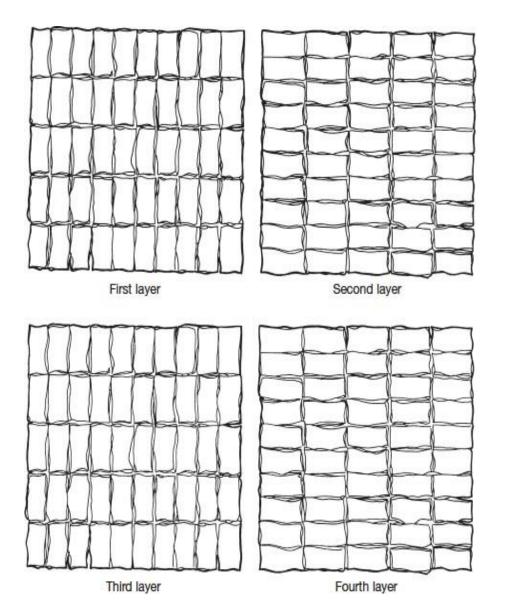


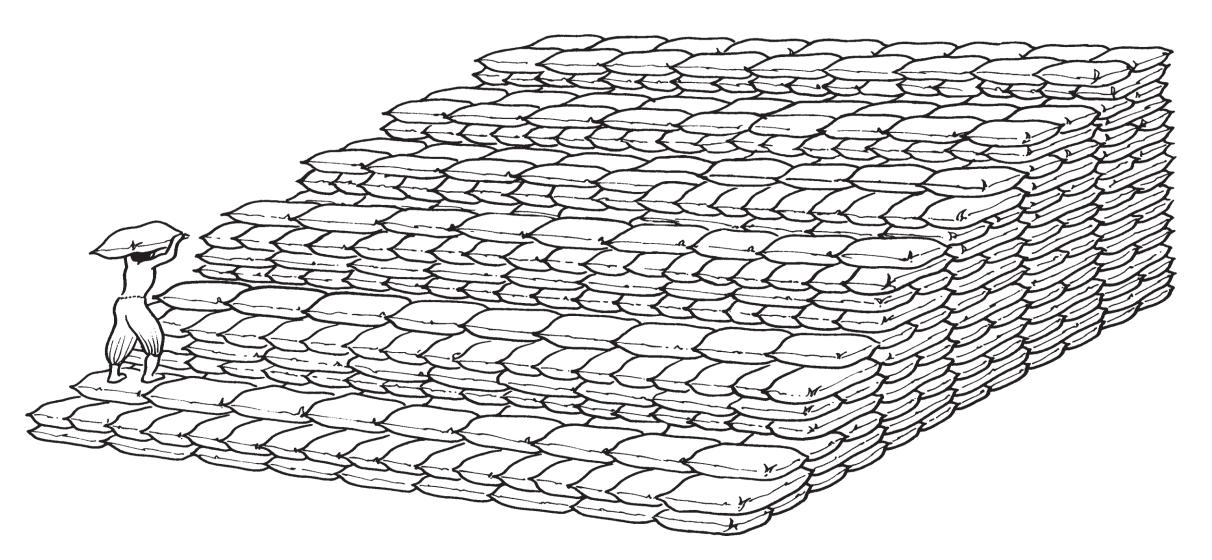
Bags with length/width ratio 2:1

Bags with length/width ratio 3:2

Stacking pattern

3 bag unit Layer 1 Layer 2 Layer 3 5 bag unit





Accounting for Commodities

- It is essential that daily tallies of intake and dispatch are reconciled in the warehouse ledger or stock book.
- At intervals, the total stock should be verified by a physical audit undertaken by an independent official.
- Pulses, cereals and their products should have their weight related to the recorded moisture content on both receipt and dispatch so that any shrinkage resulting from the commodity drying over a long period of storage in a dry climate can be determined and accounted for.
- In a well managed warehouse system, weight losses due to insect and rodent pests should be minimal.

Inspection of The Store And Its Contents

- Inspection provide information concerning quality assurance procedure and future shelf life.
- Inspection must be done regularly, not less than once per week.
- It should include a complete walk around the store, inside and outside, and all stocks.
- Looking carefully for signs of theft, pest infestation, dampness, mould damage, spillage or leakage of stored commodities.
- Roof leaks and any other structural faults or security problems.
- Appropriate action should be taken as soon as possible to repair any damage or correct any faults.

Stock Records and Stock Control

- Records of receipts and dispatches, together with a daily record of stock balance, are the minimum documentation requirements for the normal management of a warehouse.
- This information will commonly be compiled in a stock ledger for the warehouse or depot.
- Information concerning each individual stack must be recorded on a stack card positioned prominently, ideally at eye level, on each stack.
- Stack cards also provide the opportunity to record any information relevant to the particular stack, for example, dates and details of pest control, any problems with packaging, roof leaks, etc.

Stock Records and Stock Control

• A good documentation system will provide a brief, reliable account of all that takes place in the store insofar as it may affect the age, quality and quantity of the goods stored.

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have inspe	cted the stor	e at (address)		
on (date)		at (time)		
Signed:		(Storekeeper)		
Name of sto	rekeeper (Bk	ock capitals):		
STORE BUIL	.DING INSPE	ECTION REPORT		
Weather at t	ime of inspe	ction: rainy/dry*; sunny/cloudy*; windy/calm*		
Degree of lo	ading: full/75	5%/50%/25%/empty*		
Total volume/capacity of the store: cubic metres				
		tonnes		
Condition of	building:			
		od/fairly good/poor)*		
	`			
Roof	G/F/P*			
Walls	G/F/P*			
Floor	G/F/P*			
Doors	G/F/P*			
Windows	G/F/P*			
Ventilators	G/F/P*			
Lights	G/F/P*			

Are there live in	sects on the walls and floors?		
	ce of rats or mice inside or outs roppings, rat or mouse holes?_		
_	ther matters which need attenti e, storage machinery, etc.?		
COMMODITY I	NSPECTION REPORT		
Commodity in store	Quantity in store at the time of inspection Length of time in store		Is it in good condition?
_	is not in good condition give th s, the cans of oil are leaking, et		, the rice is being
Record of pest	control treatments:		

Store Hygiene

- The store must be kept clean by regular sweeping of the floors which should be undertaken at least once every day.
- If the floor is swept clean at the end of the working day and spillage is observed at the start of the next day, it will be clear to managers that there has been unauthorized activity in the warehouse or that there was heavy rodent infestation during the night or weekend.
- Every month it will be useful to sweep the walls and also any ledges that permit the accumulation of spillage or dirt.
- A simple broom is the most useful piece of pest control equipment in a warehouse that is mainly used for food grains and processed foods.

Broom





Store Hygiene

- The prompt removal of spillage prevents insect populations developing in cracks and crevices from where they can infest the stored food aid commodities.
- A procedure must be introduced whereby stocks that are declared unfit for human consumption can be removed from the store and from the stock records, and disposed of or salvaged without delay.
- Untreated insect infestations or mouldy commodities must not remain in the store where they can put other stocks at risk.
- Attention should also be paid to the condition of the exterior walls of the store and the surrounding areas. The site must be kept clean.
- Condemned stocks must not be placed outside the store as they will attract vertebrate and insect pests.

Dispatch of Commodities

- First in, first out' (FIFO) is a good general default rule for all food commodities because it helps to reduce the overall age of stock in the warehouse.
- However, there are occasions when it is necessary to dispatch stock that is not the oldest, for example, if younger stock has been damaged or is considered to be at risk of deterioration, or a specific part of the stock has been requested by the user.
- All issues must be fit-for-purpose and packed in sound containers, suitable to withstand the journey to the beneficiary.

Labor Management and Security

- It is the storekeeper's responsibility to ensure laborers working in the warehouse are adequately informed, trained and supervised, particularly with regard to taking care in handling commodities and their own safety.
- They should also be made aware of any pest control treatments that are in use and the associated potential hazards.

Support to The Storekeeper

Means by which the storekeeper can be supported are summarized below:

- ensure the storekeeper is aware of his or her responsibilities
- ensure the appropriate local or counterpart organization is also aware of these responsibilities
- if possible, assist the appropriate organization to provide adequate staff for storekeeping
- support the storekeeper's valid requests for necessary alterations and repairs to the store and for all necessary equipment
- facilitate suitable training programs
- assist in locating and procuring all necessary assistance for pest control operations
- advise and, if possible, assist the storekeeper in the identification of causes of loss or damage and in the keeping of meaningful records
- assist the storekeeper to identify the reasons why any stock needs to be downgraded.

Reports



Reports

- Detailed reports may or may not be called for by the local organization, but the storekeeper should kept.
- The problem and any recommended action to be taken must be clearly stated.
- The responsible person should, if possible, ensure all reports are made available to him or her, as well as to the responsible local organization.
- The provision of triplicate report forms may assist this, especially at central depots.
- For outlying stores, other arrangements may be needed.