

RESEARCH REPORT TEMPLATE

1. General information concerning all machines being used in Bangladesh

Please fill the statistical data in the box below related to the consistency of machines operating in each country and average age.

How to fill the boxes:

- Number in use – indicate the consistency for each “Focus Area” with data coming from official sources as manufacturers or farmers associations, etc. If no data is available, consider an estimate.
- Source of data – indicate the source of the data; if there is no source, the estimation method used.
- Average age – indicate the average age of each type of machine or tools.
- Other machines – indicate the date of all other machines in use and, if possible, their average age; this data will probably be based on an estimation, but it is necessary in order to have an overview of the size of machines being used by farmers.

Focus Area	Number in use (amount)	Source of data	Average Age (years)	Source of data
Agricultural Tractors *	35,000 +	Different Company	20-25 Years	Different User
Paddy Threshers	1,50,000 (Open Drum) 2,20,000 (Close Drum)	Estimation	08-10 Years	Estimation
Hand Tools	8,00,000	Estimation	3-5 years	Estimation
Knapsack Sprayers	12,50,000	Different Company	4-7 years	Different User
Mechanical Harvesters	200	Different Company	6-8 Years	Estimation
Post- Harvest Machinery	70,000	Estimation	7-10 years	Different User
Other machines	20,000	Estimation	-	Estimation
Total machines	25,45,200			

Addendum for tractors: About 600000 two wheel tractor (Power Tiller) and about 35,000 4 wheeled tractor. Among them about 30-40% used mainly on the road for towing or carrying Brick cement soil etc. Another 40-50% used for towing or carrying when they don't have any work in the field (part time use). Average power is 34-40 Kw.

2. Information related to the use of agricultural machinery

Please fill the statistical data in the empty spaces below related to the injuries

(primarily addressing safety, bearing in mind impacts on the environment as well as social issues) caused by agricultural machines; existence of any subsidy system for farmers, i.e., how it works and indicate an estimation of the social cost of injuries for the public and private sector as well as the existence of testing procedures used in every country.

Agricultural tractors :

- total amount of injuries and % of fatalities : About 180 per year and % of fatalities 0%

source of data **Estimation** (organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works: Subsidy exists but not for all farmers. 25% subsidy for selected districts and selected farmers/ Farmers group..

- estimation of the social cost of injuries for the public and private sector

(This data is very useful to motivate the use of safer machines and to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other)

Locally there is no standard or testing and standardization system. But different company provides ISO Certificate for marketing

- collection of proposals (describe any proposal you have for a better use of agricultural tractors and for the development of an international testing system)

ANTAM should have its own standard and testing system not only for Agricultural Tractors but For all Agricultural Machinery..

Paddy Threshers :

- total amount of injuries and % of fatalities About 2000 and % of fatalities =0.01% (Estimation)

existence of any subsidy system for farmers, i.e., how it works: 25% subsidy for selected districts and selected farmers/ Farmers group. A selected farmer/Farmer group can buy a thresher from selected manufacturer paying 75% of the actual value. Rest 25% is paid by the government.

- estimation of the social cost of injuries for the public and private sector

(This data is very useful in order to motivate the use of safer machines in order to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other)

Absent

- collection of proposals (describe any proposal you have for a better use of paddy threshers and for the development of an international testing system)

- **To avoid accident caused by thresher proper safety devices must be fitted with the thresher. With out safety device no one should get standardization certificate and market the thresher.**

Hand Tools (data related only to this typology of machine):

- total amount of injuries and % of fatalities: **10000 per year and % of fatalities =0%**
source of data (Estimation)

..... (organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works **No subsidy**
- estimation of the social cost of injuries for the public and private sector

(This data is very useful in order to motivate the use of safer machines in order to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other) **No standardization**
- collection of proposals (describe any proposal you have for a better use of hand tools and for the development of an international testing system).....

Intensive training on use of hand tools can reduce the hazard and risk. ANTAM can arrange regular program for member countries.

Knapsack Sprayers (data related only to this typology of machine):

- total amount of injuries and % of fatalities **500 per year. & % of fatalities =0%**
source of data : Estimation.(organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works **No subsidy**
- estimation of the social cost of injuries for the public and private sector

(This data is very useful in order to motivate the use of safer machines in order to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other) **No Standard**
- collection of proposals (describe any proposal you have for a better use of knapsack sprayers and for the development of an international testing system).....

Mechanical Harvesters (data related only to this typology of machine):

- total amount of injuries and % of fatalities **50 per year & % of fatalities =0%**
source of data

..... (organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works **No**
- estimation of the social cost of injuries for the public and private sector

(This data is very useful in order to motivate the use of safer machines in order to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other) **No standard**

- collection of proposals (describe any proposal you have for a better use of mechanical harvesters and for the development of an international testing system).....

ANTAM should have its own standard and testing system for all Agricultural Machinery..

Post harvest Machines (data related only to this typology of machine):

- total amount of injuries and % of fatalities **450 per year & % of fatalities =01%**.....

source of data **estimation** (organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works **No**

- estimation of the social cost of injuries for the public and private sector

.....
(This data is very useful in order to motivate the use of safer machines in order to reduce the cost for Governments)

- existence of testing procedures used in every country (if there is and indicate if it is a national system or an international system and the standards being used – ISO, Asabe, En or other) ...

.....
- collection of proposals (describe any proposal you have for a better use of post harvest machines and for the development of an international testing system).....

Other machines (only as general information)

- total amount of injuries and % of fatalities **150 per year & % of fatalities =0%**

source of data

..... (organization or indicate if estimation)

- existence of any subsidy system for farmers, i.e., how it works **No**

- estimation of the social cost of injuries for the public and private sector