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HARVESTING EQUIPMENT



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Type of harvesting machines

Sickle

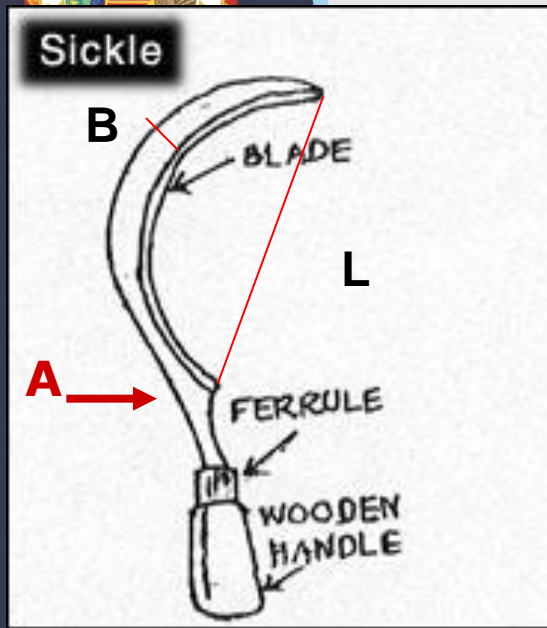
Self propelled walking type reaper

Tractor front and rear mounted reapers

Combine harvesters



SICKLE



L, mm	A, mm	B, mm	C, mm
170 ± 5	10 ± 2	22 ± 3	3 ± 0.5
224 ± 5	12 ± 2	28 ± 3	4 ± 0.5
280 ± 5	15 ± 2	35 ± 3	5 ± 0.5

Materials used:

Blade : Carbon steel C 80

Handle: Timber

Ferrule: Mild steel tube

(1 mm thick)



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**Diaphragm carburetor,
Petrol Engine,Easy starter,Galvanized pole,40T Alloy blade.**

This portable mini cutter is designed to reaping
Wheat/Rice/Sugarcane/Reed/Weed, etc.
Oil consumption is around 0.7L/h,Capable of reaping 720m²-800m² per hour



Item:Mini harvester BC-30(NEW)

Engine: 1-Cylinder, 2-Stroke,Air-cooling,

Displacement:42.7cc

Connector :Rotatable

Max. Power and corresponding rotational
speed:1.25kw/7000rpm(1.8HP)

Shaft length:1670mm

Shaft diameter:28mm

Shaft thickness:2mm

Ignition: CDI

Starter:E-starter

Blade: 40T Alloy/80TManganese

Falling support device:Yes

Package:1 piece/2 cartons

Engine carton size:45X32X34CM

Shaft carton size:165X10X12CM

N/G Weight: 7.8kg/9.8kg



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REAPER

Self –propelled reaper

Walking type

Riding type

Power tiller mounted reaper

Tractor mounted reaper

Front mounted

Rear mounted

Stripper harvester



SELF-PROPELLED REAPER (KAMCO)

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Vertical conveyer reaper

Self propelled riding type reaper





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Tractor front mounted reaper



Used for harvesting cereal crops like wheat and paddy.

It cuts the crop, conveys it vertically to one side and drops in a windrow for easy collection.

Field capacity : 0.4 ha/h when operated at forward speed of 2.5-3.5 km/h. Cost of machine is Rs. 30,000/-.

Cost of operation is about Rs. 1000/- as against Rs. 2000/ha by traditional method.



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Stripper harvesting

Capacity: 1ha/day

Advantages

strips and collects grain only

less material to handle

Problems

**problems in wet soils and
lodged crop**

straw treatment

**does not work well with
long straw**

complex machine

skills required



Despite strong promotion in SE-Asia the stripper harvester has not gained wide popularity because of its problems in less favorable harvesting conditions