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10/2018

# HT - Nursery Harvester User Manual



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# **HT-Nursery (HT-NU)**

## **Introduction**

Congratulations on the purchase of your *Harvester Concepts Ltd HT-NU*. This machine is of high quality and will reward you with reduced effort and greater efficiency in your harvesting.

Learning to operate your *HT-NU* won't take long. You will soon find it to be an invaluable tool.

## **Important Safety Note**

Read and understand all the instructions before using the *HT-NU*

- The *HT-NU* should only be used for the purposes for which it was designed. Use it for no other purpose (e.g. it is not a grader blade or battering ram!). We have manufactured the *HT-NU* using quality materials and manufacturing techniques however if faults do occur please have them corrected before you use it.
- Please read the Power Head instruction book before use. Pay particular attention to running in and safety notes.
- Please read this instruction book before use and retain it for future reference.
- It requires only one / two people to operate the *HT-NU*, keep all others away!

Immediately after turning the power head off, fit the cutter bar cover. It should be removed last, before restarting the power head.

## **Extending wheel track**



## **Notes:-**

Harvester HT-NU1600-EXT S/N  
Engine

## Freighting

The HT-Nu can be dismantled and folded up for transport—reversal of assembly procedure.

Freighting on the back of a utility vehicle is preferred. The HT-NU is very light and if transporting on a trailer it is not heavy enough by itself to make the trailer springs work i.e. it will get badly shaken about. On rough road / tracks this could cause structural damage.



One solution is to put an extra weight on the trailer as well as the harvester so the springs actually work!

## Options

The HT-NU can be made to suit a customer's requirements. Standard power head cutting widths are 1210 and 1630mm but various cut heights and other variations can be incorporated:-

### **Different cut height range**

We can manufacture different wheel legs allowing cut heights down to ground level and up to quite high

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## Specifications

Cutting height 100 to 800mm in 25mm increments (Or as ordered)				
Cut width:-	1210	1200-Ext.	1600	1600-Ext
Weight, dry:-				74Kg
Wheel track:-				2045mm
Width		+		2095mm +1402
		=		= up to 3497
Length	1930	—	—	1930mm
Height	1150	—	(standard legs)	— 1150mm

Specifications subject to change without notice

## Conditions of Sale and Guarantee

Your *HARVESTER CONCEPTS LTD* product is guaranteed to be free from defects in materials and/or workmanship under normal use and service for a period of 12 months from date of initial purchase.

*HARVESTER CONCEPTS LTD'S* liability and obligation is limited to problems which *HARVESTER CONCEPTS LTD* acknowledges to be defective under the guarantee conditions either to

- the free replacement or repair (where practicable) at the *HARVESTER CONCEPTS LTD* premises of any parts returned within the guarantee period
- or shipment of replacement parts to the customer, as mutually agreed to.

Supply of non standard parts or services from other than *HARVESTER CONCEPTS LTD* are not covered under the guarantee conditions unless prearranged, in writing, with *HARVESTER CONCEPTS LTD*.

Shipment of product to *HARVESTER CONCEPTS LTD* is the consumers responsibility and cost Guarantee conditions are void for any of the following reasons:-

- Abnormal use of the product
- Accident damage or vandalism
- Modifications or unauthorised repairs to the product or its components
- Where component "seconds" have been supplied
- Normal wear and tear

*HARVESTER CONCEPTS LTD* cannot be held liable for any damage caused to people or other property during use of the product or as a result of any defect or malfunction of product or components supplied by *HARVESTER CONCEPTS LTD*. Use of the product is solely the users responsibility. Other losses such as delays in work, incorrect or misleading information, omissions and errors, *HARVESTER CONCEPTS LTD* is not liable for.

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## Maintenance

During continuous use, lubrication should be applied as follows

1. Every time the engine is refueled, using Original Ochiai grease apply some to each of the holes just behind the cutting blades. (We can supply Ochiai grease)
2. Every 20 hours use a grease gun to lubricate the grease nipple on the gearbox below the engine.

After use it is a good idea to wash the blades (**Be Careful!!**) using a stiff bristle brush, water & detergent and allow to dry.

If the machine is to be stored for some time the blades can be sprayed or brushed with a light vegetable oil. The fuel should be drained from the fuel tank and the engine operated until it runs out of fuel

**WARNING\*** Ensure the fan housing is kept clear of debris, particularly underneath. This can be a problem particularly if the machine or power head only, is moved back and forth. Failure to do so can cause overheating and engine seizing.

3. If you have problems, need spares or require advise please call Harvester Concepts Ltd—address on the back cover

stroke oil for air cooled engines.

2. Fit harvesting bag / Quick release frame onto harvester
3. After filling the engine with the petrol mix, press the brown rubber blister on the carburettor until it is full of fuel
4. Ensure stop switch (on RH side) is switched on. Remove safety cover off cutter bar.
5. Apply choke and pull starting cable a few times until engine starts. Allow to warm up for a few minutes before revving the engine.
6. On the throttle control assembly, the lower lever is the throttle for engine / blade speed. The upper lever dis/engages the drive to the cutter bar
7. When new, the power head requires some running in. Always allow the engine to warm up before revving it. During running in, don't rev for long periods of time  
To stop the engine press the square red button on the engine. There is also a stop switch on the RH side
8. Refit safety cover on cutter bar

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tee, except those stated in these terms, made by any person, dealer or body corporate selling or dealing with its products in any manner whatsoever.

### **Your HT-NU Consists Of:-**

- Ochiai power head in mounting frame
- Wheel bogies (4)
- Frame, sling support
- Sling
- Collection Bag c/w quick release frame
- HT- NU instruction book
- Power Head instruction leaflet and spanners
- Spare parts list

### **Uses of the HT-NU**

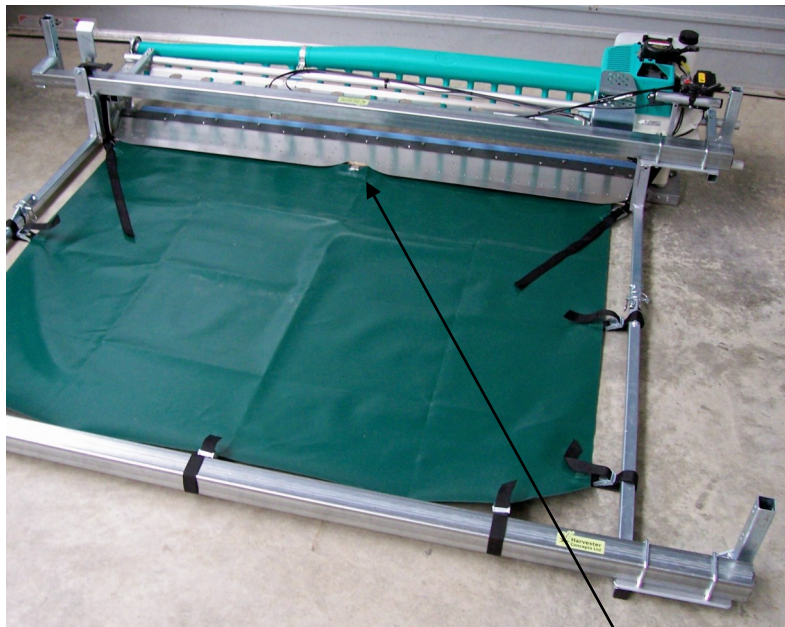
The HT-NU is specifically designed for Nursery plant trimming but can also be used for harvesting a wide range of crops. The standard HT-NU cuts from 180 to 865mm above ground level in increments of 25 mm but other heights are available

### **Assembly**

If the harvester is not assembled proceed as follows:-

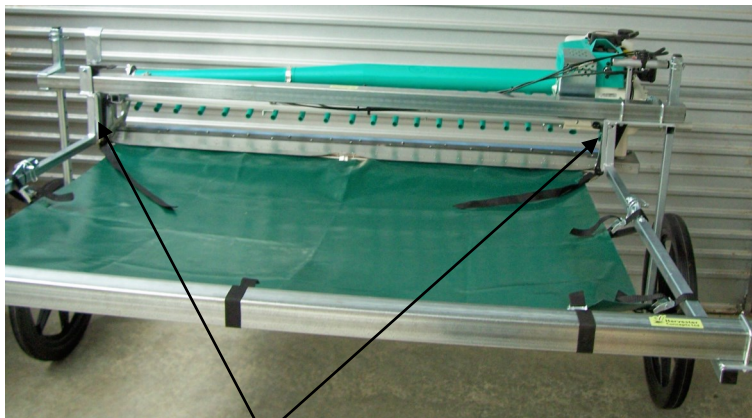
- Unpack the harvester ensuring you receive all the parts and that they have not been damaged in transit.
- Layout the components on the ground in their rough position.
- Unfold the frame from its triangular position and insert lynch pins
- Insert the wheel legs into the power head frame (wheels outermost). Select a cutting height and fit the lynch pins. Height should





be set the same on each side of the harvester

- The sling should already be fitted but if not:-Lay out the sling, straps on top Fit the slot in the sling over the locator on power head. Position the straps as shown and tighten.

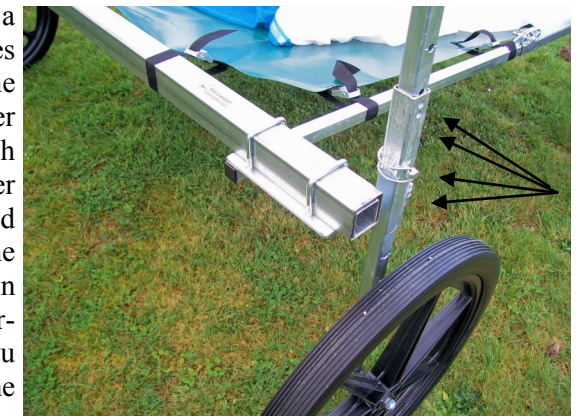


- Unwrap the collection bag and lay out on the sling. It should already be fitted to the quick release frame. Slid the bag assem-

bly down the guide rails until full down

### **Height Adjustment**

On each wheel leg is a Lynch pin and a series of holes. Support the weight of the power head, remove the lynch pin and lift the power head up to the desired height and reinsert the lynch pin. Repeat on all 4 legs of the harvester ensuring you have selected the same height on each sides (can be different side to side for cutting across slopes).



The 4 holes allow height adjustment in 12.5mm increments.

### **Operation**

These notes should be read in conjunction with the power head instruction book:-

1. Ensure the engine is stopped before refueling. Refuel the engine using a Fuel / oil mix of 25:1 91 octane fuel with a good quality 2

