

## TH4500 – DUAL ARM TOPPER HEDGER

### SPECIFICATION SHEET

**SPECIFICATIONS:**

- CUTTING ARM DIAMETER ( EACH ARM).....13' (396 CM)**
- TOTAL CUTTING PASS (TWO ARMS COMBINED).....24' (730 CM)**
- MAXIMUM HEDGING HEIGHT.....50' (1524 CM)**
- MAXIMUM FLAT TOPPING HEIGHT.....25' (762 CM)**
- MAXIMUM ANGLE TOPPING HEIGHT AT 45 DEGREES.....40' (1219 CM)**
- CUTTING ANGLE BETWEEN ARMS (GABLE TOP).....0<sup>0</sup> - 30<sup>0</sup>**
- SAW BLADES..... FOUR - 32" DIAMETER, CHROME PLATED SAW BLADES**

**GENERAL:**

The pruning machine model TH4500 is a heavily constructed unit specially designed to meet the needs of the modern pecan orchard.

The unit chassis is made from 2" (50 mm) thick solid steel plate to ensure low center of gravity for better machine stability. All main arm pivot points are widely separated to reduce load. Bronze bushings are used at all pivot points to minimize wear. The chassis utilizes specially designed, heavy duty front and rear rims. A large flat deck operator cabin provides comfort and safety during operation. An optional sealed cab with air-conditioning is also available. All components are manufactured by well known manufacturers (**JOHN-DEERE, ITL, EATON**, etc.).

**SELF PROPELLED POWER UNIT:****Includes the following components:**

- ITL** heavy duty front and rear axles
- JOHN DEERE** 6068T Tier 3, 155 HP (at 2500 RPM), turbo charged diesel engine
- JOHN DEERE / FUNK** pump drive
- JOHN DEERE / FUNK** 2-speed transmission
  - Operating mode: 0 – 5 MPH
  - Transport mode: 0 – 13 MPH
- EATON** hydrostatic drive system
- Heavy Duty front and rear rims and tires
  - Rear tires 16.9 x 34 – 18 ply.
  - Front tires 14.9 x 24 – 18 ply.

**HYDRAULIC SYSTEM:**

- Saw blade rotation circuit – **VOAC** piston pump and motor
- Arms rotation circuit – **EATON** variable displacement, piston pump with **CHAR LYNN** motor.
- Control circuit – Gear type pump operating:
  - Tower lift cylinder
  - Horizontal to vertical cylinder.
  - Arms swing cylinder.
  - Arms transport cylinder.
  - Engine hood lift cylinder.
- Hydrostatic drive circuit – **EATON** pump and motor.
- Cooling package fan circuit – gear type pump.

**SAW BLADES SYSTEM:**

- Four 32" heavy duty chrome plated saw blades.
- "C" Section belt drive on each saw blade for durability.
- Double row sealed roller bearings at the saw bearing house for long lasting, trouble free operation.

**OPERATOR CAB:**

The large, heavy duty, flat-deck operator's cab is mounted as a separate unit on rubber mounts to reduce noise, vibration and heat. Pressure gauges mounted on the control panel allow the operator to continually monitor the machine load. The front windows of the cab are made of tempered glass providing unobstructed vision and safety. The side windows are covered with expanded metal screen for ventilation (Air conditioned cabs include tempered glass on the side windows).

**COOLING SYSTEM :**

A self-cleaning cooling system mounted at the rear of the machine contains two radiators for the following:

- Engine coolant.
- Hydraulic oil.

An automatic vacuum system removes and discharges debris before it gets to the radiators to ensure constant operation under normal working temperature.

**SAFETY:**

In the design, components selection, and manufacturing, as well as in the servicing and operating instructions, much thought has been given to provide a machine with high productivity, low maintenance, long life, and above all operator safety.

**LITERATURE:**

Each unit is supplied with full documentation for all systems. This includes a general safety, operations and parts manual for the machine.

**FINISH:**

- Machine parts are sand blasted, primed and painted.
- Machine bolts are zinc plated, grade 5.
- Saw blade propelling and rotation parts (pulleys, shafts, washers, etc.) are zinc plated.
- The machine is assembled and each system is fully tested. Final adjustments are made to ensure the machine is ready for use

**Note:** Some parts are disassembled for shipping.

**PRICE:**

Please inquire for pricing.

**OPTIONS:**

- Sealed cab
- Sealed cab and air conditioner

**SALE CONDITIONS**

- PRICES** F.O.B., TOL Incorporated
- DELIVERY** According to availability

**PACKING:**

One machine in 40' Container.

**NOTES:**

As our policy is of continuous improvement, we reserve the right to change specifications without prior notice.