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## IMS Weedmaster Cutterhead



### Specifications subject to change without notice

The IMS Weedmaster Cutterhead bolts directly to the IMS Model 5012 LP Versi-Dredge in place of the standard cutterhead. This allows the customer to remove aquatic weeds without the purchase of expensive weed removal systems (which start around \$200,000 USD) or the use of environmentally toxic chemicals. The Weedmaster has been designed to work in several types of aquatic plants including: floating vegetation such as hyacinths, submerged vegetation such as milfoil and hydrilla, and emergent vegetation such as cattails and reeds.

The Weedmaster unit mounts directly to the pump inlet door. It measures 9 feet wide and consists of a steel shroud and cutterbar with dual direct drive motors driving the cutter. The cutterbar is constructed of heavy wall tubing with hardened steel cutter teeth. The shroud contains two rows of static cutter blades that clean the main cutterbar as it rotates.

Most weed harvesters cut the weeds and store them in a hopper which must be periodically emptied on shore. The Weedmaster is much more efficient because it chops the weeds into 4-6 inch pieces and pumps them to the shore using the dredge pump.



## Estimated Vegetation Removal:

The Weedmaster cutterhead will operate differently in every application. Unlike dredging sand or mud there is no uniformity in cutting vegetation. There are different densities, different stem circumferences, and depending on the season different fiber strengths. All of these factors must be taken into consideration when using the Weedmaster cutterhead.

IMS has put together the following estimates based on customer feedback from the field. These estimates are conservative and are for extremely dense vegetation. IMS estimates that you will achieve between 1-2.5 acres of production per day (more with floating vegetation like water hyacinths).

## Floating Vegetation (Hyacinths):

- Equipment Utilized:
  - IMS 5012 LP Versi-Dredge
  - IMS Weedmaster Cutterhead
  - IMS Weed Rake Feeder Attachment
  - IMS Winglet Impeller
- Duration: 1 hours time
- Surface Area Cleared: 202.5 m<sup>2</sup>/hr.
- Height of Vegetation: 0.3 meters

## Dense Rooted Vegetation (Grasses, Cattails, Reeds, etc.):

- Equipment Utilized:
  - IMS 5012 LP Versi-Dredge
  - IMS Weedmaster Cutterhead
  - IMS Winglet Impeller
- Duration: 1 hours time
- Surface Area Cleared: 79.7 m<sup>2</sup>/hr.
- Height of Vegetation: 1 m – 2.5m