

BOWIE

HYDRO-MULCHER®

IMPERIAL 3000

Specifications

Engine:

John Deere Diesel 140 HP

Pump:

5" x 3" Centrifugal Pump

Length: 19'-10" (605 cm)*

Width: 7'-9" (236 cm)*

Height: 9'-8" (295 cm)*

Empty Weight:

10,615 lbs.

(4815 kg)

Liquid Capacity:

3171 US Gallons

(12004 Liters)

Optional Equipment:

Clear Water Flush System

Engine PTO Ground

Control

Hose Reel

Standard Included

Parts and Equipment:

4-Nozzles

(EC1735, EC1739,
EC1740 & EC1749)

4-Part F Quick Couplers

1-Part D 1-1/2"

Quick Coupler

1-Reducer (EC1724)

Spanner Wrench

Parts Manual

Engine Manual

* Operating Dimensions



Bowie's Imperial 3000 Hydro-Mulcher® is the choice for maximum production, efficiency, and dependability. Nothing compares to this **Bowie Imperial 3000** for the large seeding and mulching jobs. It has greater distance than competitive machines of this size. The **"Built Strong...Built to Last"** construction of this Hydro-Mulcher means it will be on the job year after year. The agitation is smooth and strong throughout the power range making for less fatigue on the equipment and operator. The custom engineering of the **Bowie Imperial 3000** can make this unit a perfect fit for your operation.

For Information / Dealer Location:

www.bowieindustries.com

1-800-433-0934



All specifications subject to change without notice.

COVERAGE PER TANK LOAD

There is a lot of misinformation and confusion (sometimes intentional) about coverage rates per tank load. Coverage per tank load is a function of the amount of mulch put on the ground. In the event of hydro seeding (seeding not using any mulch), the coverage per tank load is almost limitless. The following is an attempt to shed some light on the situation and give some general information. Please keep in mind that there is no substitute for actual experience.

Variables: Type of mulch (virgin wood fiber, paper, blend), brand of mulch, additives making slurry “slicker”, tower operation vs. hose, length of hose if using hose, experience or expertise of operator.

Generally: Using a quality brand of virgin wood fiber mulch, without an additive, shooting from the tower, with an average operator, a Bowie Hydro-Mulcher will handle approximately 1 lb. of mulch per 2 gallons of water. The superior mechanical agitation with shredder bar and straight through plumbing system enables these heavier loading rates. The loading rates for paper mulch is approximately 2 lbs. of mulch per 3 gallons of water.

Basic Math: Generally, the benchmark rate for mulch application is 2,000 lbs. per acre. Since there are approximately 44,000 sq. ft. per acre, 1 lb. of mulch will cover 22 sq. ft.

Coverage Per Tank Load Chart: Using the above assumptions, the following chart gives the approximate coverage per tank load using a 2,000 lbs. per acre rate for virgin wood fiber and paper mulches.

| Size | Virgin Wood Fiber | Paper |
|------|-------------------|----------------|
| 300 | 3,300 sq. ft. | 4,400 sq. ft. |
| 500 | 5,500 sq. ft. | 7,333 sq. ft. |
| 600 | 6,600 sq. ft. | 8,800 sq. ft. |
| 800 | 8,800 sq. ft. | 11,733 sq. ft. |
| 1100 | 12,100 sq. ft. | 16,133 sq. ft. |
| 1500 | 16,500 sq. ft. | 22,000 sq. ft. |
| 3000 | 33,000 sq. ft. | 44,000 sq. ft. |

Other Mulch Rates: The above chart is easily converted to other common mulch rates by using the following factors.

- 1,000 lbs. / acre - multiply sq. ft. by 2
- 1,500 lbs. / acre - multiply sq. ft. by 1.33
- 2,000 lbs. / acre - no adjustment necessary
- 2,500 lbs. / acre - multiply sq. ft. by .8
- 3,000 lbs. / acre - multiply sq. ft. by .67

Generally speaking, it requires a higher application of paper mulch to achieve the same results as with virgin fiber mulch. Please consider this when choosing paper vs. virgin wood fiber mulch.