

BOWIE

HYDRO-MULCHER[®]

LANCER 700

Specifications for the Bowie Lancer 700 Gas

Engine:

Kohler 25 HP Air-cooled Gas EFI

Pump: 2" Bowie Gear Pump

Length:

Trailer: 15'-11" (485 cm)

Skid: 11'-2" (340 cm)

Width:

Trailer: 6'-5" (196 cm)

Skid: 5'-6" (168 cm)

Height:

Trailer: 9'-4" (284 cm)

Skid: 8'-1" (246 cm)

Empty Weight:

Trailer: 4360 lbs. (1978 kg)

Skid: 3048 lbs. (1383 kg)

Approx Loaded Weight:

Trailer: 10107 lbs. (4584 kg)

Skid: 8795 lbs. (3989 kg)

Liquid Capacity:

700 US Gal. / (2650) Liters

Standard Included

Parts and Equipment:

4-Nozzles

(EC1735, EC1739

EC1740 & EC1749)

4-Parts F Quick Couplers

1-Part D Quick Coupler

1-2-5/16" Ball

(Trailer Mounted Only)

Spanner Wrench

Parts Manual

Engine Manual

Warranty



With **Bowie's Lancer 700**, you can apply your product either from the working platform using the discharge cannon or from the ground with a hose. This unit uses one clutch to operate the agitator and another to operate the pump. It is available as either a skid or trailer mounted unit. Whatever your application needs are, you can rely upon Bowie's **"Built Strong...Built to Last"** equipment.

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 hydroseeding (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, BFM's, FGM's), 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.