

OPERATION

TOWING VEHICLE REQUIREMENTS

The lawn sprayer requires towing equipment with a 12-volt battery and charging system, and a towbar hitch in order to operate properly.

The towing equipment should have operable brakes capable of controlling the loaded sprayer and towing vehicle.

CALIBRATION OF SPEED

By measuring off a distance of 50 or 100 feet, the speed of the towing vehicle can be calibrated by selecting a gear and throttle position to cover the prescribed distance in the specified time as shown:

Speed (mph)	Seconds required to travel	
	50 feet	100 Feet
2	17	34
3	11	22
4	9	17
5	7	14

CALCULATION PROCEDURE FOR SPRAYER APPLICATION

Chemical labels normally show application rates in gallons per acre or gallons per square feet. Using the following method, one can determine the appropriate amount of water to use and speed to travel to adequately follow the manufactures recommended instructions.

- Based on the size of your yard, select the amount of water to be used. Use the formula:

Application Rate x Area to be sprayed = Amount of water (from the Table 1).

Example 1

Yard Size= 4 acres

Using the Table 1 and the above formula:

$$58.5 \text{ gal/acre} \times 4 \text{ acres} = 225.6 \text{ gal} @ 2 \text{ mph}$$

$$37.5 \text{ gal/acre} \times 4 \text{ acres} = 149.6 \text{ gal} @ 3 \text{ mph}$$

$$28.0 \text{ gal/acre} \times 4 \text{ acres} = 112.0 \text{ gal} @ 4 \text{ mph}$$

$$22.5 \text{ gal/acre} \times 4 \text{ acres} = 90.00 \text{ gal} @ 5 \text{ mph}$$

Example 2

Yard Size= 20,000 sf

$$1.3 \text{ gal/1000} \times 20,000 \text{sf} = 26 \text{ gal} @ 2 \text{ mph}$$

$$0.9 \text{ gal/1000} \times 20,000 \text{sf} = 18 \text{ gal} @ 3 \text{ mph}$$

$$0.6 \text{ gal/1000} \times 20,000 \text{sf} = 12 \text{ gal} @ 4 \text{ mph}$$

$$0.5 \text{ gal/1000} \times 20,000 \text{sf} = 10 \text{ gal} @ 5 \text{ mph}$$

- Choose the speed / amount of water you want to use.

Example 1

A comfortable speed

for a lawn tractor is

3 mph.

Choice = 149.6 ~ 150 gal @ 3mph

Example 2

Since 18 gallons can be

done with only one filling:

Choice = 18 gallons @ 3mph

- Determine how many tanks are required to complete the total job:

Amount of Water / Tank Capacity = Number of tanks from Step 1.

If the number of tanks is less than 1.0 use 1.0

Example 1

150 gal / 25 = 6.0 tanks

Example 2

18 gal / 25 = 0.7 tanks use 1.0 tank

- Determine how much chemical is to be used:

Rate From Manufacturer's Label X Area to be Sprayed = Amount of Chemical Required

Example 1

Label = 20 ounces/acre

20 oz. x 4 acres = 80 oz.

Example 2

Label = 1/2 pint/ 1000 sq. ft.

1/2pt/1000 x 20,000 sf = 10 pints

- Determine how much chemical per tank:

Amount of Chem (from Step 4.) # of Tanks (from Step 3.) Amount of Chemical per tank

Example 1

80oz / 6.0 tanks = 13.3 oz./tank

Example 2

10 pints / 1 tank = 10 pints

MAINTENANCE

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Lubricating Wheel Bearings

Lubricate each wheel bearing with multipurpose grease or an equivalent.

SPECIFICATIONS

Maximum Towing Speed	5 mph
Tank Capacity	15 or 25 gal
Maximum Pump Pressure	60 psi
Fuse (Blade Type)	15 amp.
Empty Weight	53 lbs.
Maximum Towed Weight	280 lbs.

Tires

Size	10.5 x 3.5 in
Inflation Pressure	14 psi

Getting Quality Service

Quality Continues with Quality Service

We provide a process to handle your questions or problems.

Follow the steps below to get answers to any questions you may have

about your product.

1. Refer to your attachment and machine operator manuals.
2. In North America or Canada, call 1-877-728-8224 and provide product serial number (if available) and model number.