

New from **GRAVELY**

www.stevenchalmers.com



20-Gallon Utility Sprayer

New Compact Design—Better Performance—Low Cost



20-Gallon Utility Sprayer

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Protect Your Lawn, Garden, Shrubs...

New! Gravely's own 20-gallon Utility Sprayer . . . the high-capacity, long-lasting, low-cost Sprayer you've been waiting for, and it's built expressly for your Gravely Tractor.

Now you can protect your lawn, garden, shrubs, trees . . . get rid of insect pests efficiently. No need to carry clumsy hand sprayers around, you get the job done faster with **GRAVELY POWER!**

This one Sprayer, with interchangeable Jet-Gun Orifices, does a variety of spraying jobs . . . garden plants, shrubs, fruit trees, other plants. Unique T-jet gives a wide, boom-type spray without a clumsy boom attachment. Easily mounted on Sprayer Tank, Jet Gun fan-sprays weed killers, liquid fertilizers, other sprays.

Contour of tank and jet agitation from Tank Return Line keep mixtures in solution and/or suspension.

Unit is ideal for spraying live-

stock, washing down dairy barns, poultry houses—high pressure (maximum 400 psi) gives a penetrating spray for a variety of other jobs using disinfectants, detergents.

Leak-proof tank is treated with epoxy resin to handle corrosive or abrasive sprays. Tank has large, round, splash-proof opening for easy filling and cleaning.

Sprayer's low center of gravity, compact design, make the unit easy to handle. Take it right into your garden—through standard-size doorways with ease. Combines with the Gravely Tractor as an easy-handling power unit. Rolls along on two free-moving, five-inch, semi-pneumatic tires.

Sturdy Tank Stands make attachment (or detachment) to tractor easy, storage more convenient. You have no lifting or carrying to do, Gravely takes the Sprayer to the Job, brings it back, **WITH POWER!**

GENERAL SPECIFICATIONS

Unit, excluding tractor: 23 inches long, 28 inches wide, 28½ inches tall. Weighs 145 pounds dry, 310 pounds loaded.

Wheels and Frame: Frame is integral weldment, consisting of Tank, Caster Wheel Supports and Tractor Mounting Bracket. Unit is supported by two Disc Wheels with Semi-Pneumatic Tires (3.40/3.00 x 5) mounted on plain bearings for ease of handling. Tank Stands on each side are easily dropped for stationary position when disconnecting and connecting tractor.

Standard Equipment: Air Chamber. Pressure Relief Valve, adjustable from zero to 400 psi. Pressure Gauge 500 psi with Dampener. 15 feet of hose, ¾-inch diameter, supplied with high-pressure swivel fitting. Test pressure 750 psi. Bursting pressure 1500 psi. Gun Jet with three sizes of Orifices, one T-jet. Mount on Tank for fixed spraying position. See chart for spray data.

Tank: 20 U. S. Gallons (16.65 I. G.) leak-proof arc-welded. Inside treated with Themac 1400 (Epoxy Resin) for corrosion resistance. Large, round, splash-proof opening for easy filling and cleaning. Strainer easily removed. Flexible hose on suction line between Tank and Pump. Drain Plug at bottom.

Convenient Pressure Adjustment



Tank Stands for Easy Detachment



Sprayer Pump Yield Data

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CHART I: DELIVERY IN GALLONS PER MINUTE AT VARIOUS PRESSURES

(Pressures: Pounds per Square Inch)

PUMP RPM	0	100	150	200	250	300	400
900	6.9	5.2	4.2	4.1	4.0	3.8	3.6
1000	7.2	5.6	4.8	4.8	4.8	4.3	4.1
1100	7.6	6.5	5.5	5.5	5.5	5.3	5.3
1200	8.1	7.1	6.3	6.3	6.3	6.2	6.2
1300	8.7	7.8	7.1	7.1	7.1	6.7	6.6

Condensed Sprayer Jet-Gun Data

CHART II: CONDENSED SPRAYER JET GUN DATA

(All Four Orifices Supplied with Sprayer)

Orifice	STREAM			CONE SPRAY		
	Maximum Horizontal Throw*	Maximum Vertical Throw*	GPM	Maximum Horizontal Throw*	Angle of Spray	GPM
D-2	35	24	.94	10.5	17°	.90
D-4	39	30	1.90	11	20°	1.80
D-6	48	34	4.10	11	33°	3.80

*Measured in feet.

Note: All ratings are taken at maximum 400 psi.

T-JET: T-jet gives fan spread of approximately 8 to 10 feet, and yields of from .47 to 1.64 gpm, depending on pressures, which can be set from 25 psi to a recommended maximum of 300 psi. Recommended angle of gun mounting is 40° to 60°.

PUMP SPECIFICATIONS

Gravely Pump: Two-Cylinder, opposed Piston. Positive displacement type. Bore 1.5 inches; stroke, .57 inch; displacement, 2 cubic inches. Chrome-plated Bore, replaceable Cylinder Sleeve. Connecting Rod with large roller bearing permanently lubricated. Aluminum Piston and Follower Plate with Sirvene Piston Cup. Crankshaft direct-driven, mounted on two large ball bearings; lubricated from tractor system. Valves and Valve Seat of long-wearing, corrosion-proof Delrin. Pump Body and Cylinder Heads of cast iron.

Maximum operating pressure, 400 psi; maximum 1300 rpm.

Pump will handle continuously all types of spray material including whitewash.

GRAVELY TRACTORS
MANUFACTURERS



DUNBAR, W. VA.

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