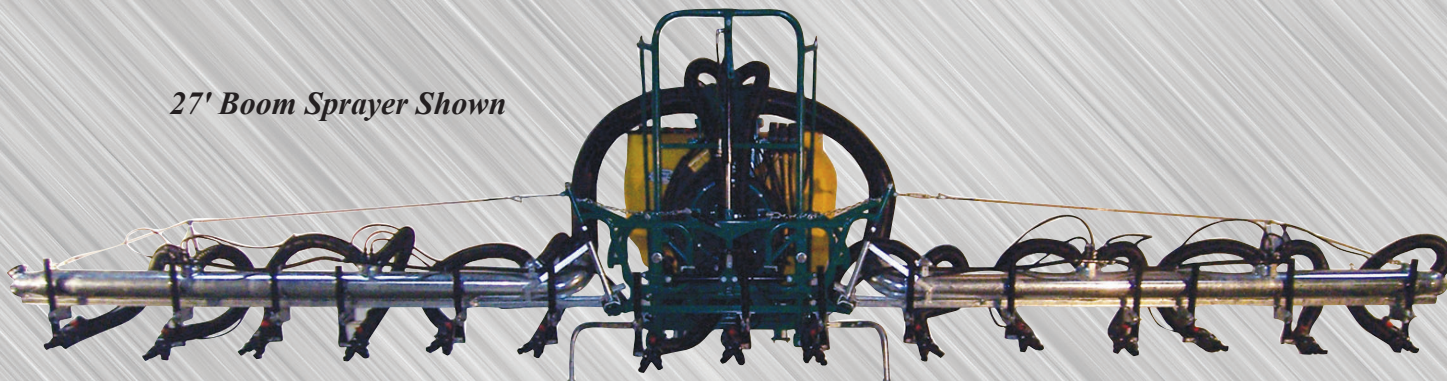




# VENTURI AIR BOOM SPRAYERS

THE SPRAYER TO USE WHEN TOTAL PLANT COVERAGE IS REQUIRED

*27' Boom Sprayer Shown*



There are many advantages using our Venturi low volume fine droplets sprayers over liquid boom sprayers.

**Less Time In The Field** - Our sprayer will spray from 2 to 4 times longer between fill-ups than a liquid boom sprayer with the same size tank.

**More Chemical Droplet Per Acre** - Our sprayer will produce over 200 fine micron droplets for every spray droplet applied by a liquid boom sprayer.

**Even Distribution of Concentrated Spray** - The flow of air, thoroughly saturated with fog-sized droplets of spray, penetrates in and around all areas of each plant. The homogeneous mixture of air and spray liquid covers even the undersides of plants.

**Complete Pesticide Coverage** - The remarkable atomization of the liquid allows the air from the sprayer to carry the tiny droplets in suspension form. The fog sized (50 microns) droplets stick to the plant surface and deposit the chemical instead of dripping and running off onto the ground.

*40' Boom Sprayer Shown*



**Better Product Utilization** - The chemical product is distributed entirely over the crop and stays adhered to the plants, the secret is in the atomization. Other sprayer emit irregularly sized large drops (up to 250 times larger) that run together, drop and run off the plants surface to the ground. Spray run-off equals 25% wasted material.

**Nozzles Adjust to Direct Spray Only On Crop** - The Gearmore Venturi Air Boom Sprayers outlets are completely adjustable (360 degrees) so they direct all of the spray at the plants. With nozzles set at an angle and powerful air turbulence, chemical coverage of the complete plant is obtained. Row spacing is easily adjusted without tools.

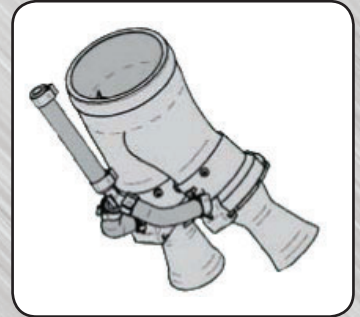
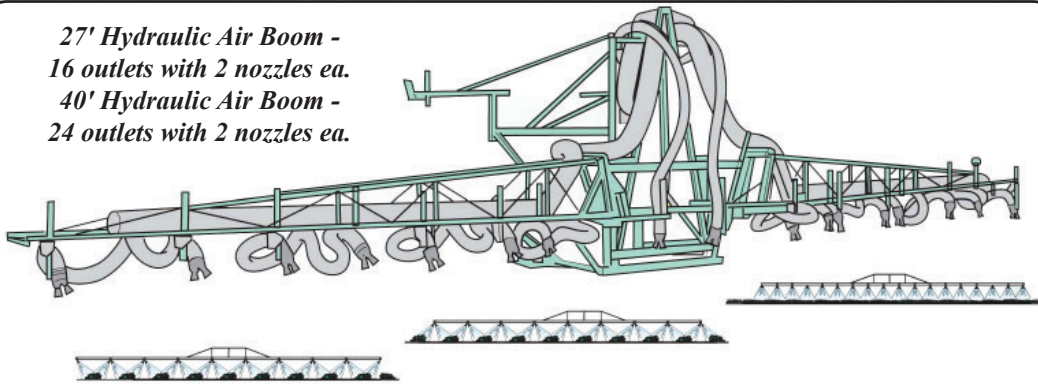


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27' Hydraulic Air Boom -  
16 outlets with 2 nozzles ea.  
40' Hydraulic Air Boom -  
24 outlets with 2 nozzles ea.



*Distribution outlet with two nozzles, adjustable in height and width, and revolving in all directions*

## FEATURES:

- Air velocity of 200 MPH at nozzle breaks down spray to fog size (50 microns) droplets which penetrate in and around all areas of each plant
- Air movement allows chemical to completely cover vegetation, especially the underside of leaves
- Volume as low as 5 gallons per acre results in fewer refilling stops and more acres covered per day
- Spray drift is reduced by 50% to 75%.
- Boom has breakaway & hydraulic fold away features to prevent damage & for transport
- Boom raises & lowers hydraulically for different crop heights, independent of the sprayer
- Boom nozzles are completely adjustable in width and angle for maximum coverage
- Chemicals only come in contact with plastic, rubber, and stainless steel parts



*40' Boom*

*Articulated arms with guard to avoid any damage*

- Tank:** Translucent polyethylene 150 gallon with hatch and strainer basket  
**Agitation:** Adjustable liquid bypass, and air from fan when required  
**Drive:** 540 RPM P.T.O. driven w/belt drive to fan & pump with overrunning clutch  
**Nozzles:** "No drip" system on each outlet & individual liquid shut-off by hand, replaceable stainless steel discs & screens  
**Controls:** Reachable from tractor seat allowing operator to switch liquid from off to right or left

**Filtration System:** 3 Stages - at filler, at pump, and at nozzles

**Fan:** Centrifugal type with PVC housing

**Pump:** Centrifugal with maximum 37 GPM

**Sight Gauges:** In tank and tubing

**Pressure Gauge:** 0 to 80 P.S.I. in liquid case to reduce vibration & extend life

**Call for special applications**

Models:	P45N1-400-23	P50S-600-27	P55S1-600-40S	P55S1-600-40
Boom Width:	23'	27'	40'	40'
Rows:	5 Row	8 Row	7 Row	12 Row
No. of Nozzles:	2 + 2 = 10	2 + 2 = 32	2 + 3 + 2 = 49	2 + 2 = 48
Air Boom Design:	Steel Frame	Galvanized Tubing	Galvanized Tubing	Galvanized Tubing
Tank Capacity:	100 Gal.	150 Gal.	150 Gal.	150 Gal.
Diameter of Fan:	17.75"	19.75"	21.75"	21.75"
Fan (RPM):	4500	4320	3720	3720
Vol. of Air (CFM):	3180	4875	8240	8240
Air Speed at Foliage:	10-50 MPH	10-50 MPH	10-50 MPH	10-50 MPH
Controls:	Liquid	Electro-Valve	Electro-Valve	Electro-Valve
Min. Tractor HP:	32	52	60	60
Sprayer Weight:	700#	1230#	1800#	1800#

*Specifications Subject To Change Without Notice*

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