

ONE LINE OF SPRAYERS THAT COVERS 4 DIFFERENT MARKETS

MORE

FOR

LESS

MORE

Acres per fill-up.
Spray twice the
acreage per day.



VINEYARD

LESS

Chemical run-off
means better spray
utilization and savings.

MORE

Uniform spray
particles with
fog size droplets.



ORCHARD

LESS

Applications per season.
Complete plant coverage
each application.

MORE

Coverage and
chemical utilization.
Entire plant is evenly
covered with spray.



BUSH/CANE BERRIES

LESS

Gallons means
fewer fill-ups.
Reduces soil
contamination.

MORE

Control of
air distribution.
Distribution heads
that match crop.



ROW CROPS

LESS

Maintenance no
high pressure pumps
to repair, and no spray
tips to replace.

How the Venturi Air spraying System works

Our Venturi air sprayers produce high air velocities that shear the liquid in 50 micron fog sized droplets, which penetrate and cling to all areas of the plant foliage.

Our Most Popular Models Will Operate On Tractors As Low As 18 PTO H.P.



These Venturi Air Sprayers feature the 8 nozzle distribution head for vineyard rows up to 10 foot width. The nozzle assemblies are manually adjustable up and down. For terraced vineyards optional electro cylinders, controllable from the tractor, are available.

These unique Venturi Air Sprayers feature the latest technology in low volume spraying. Thus, growers achieve the following benefits: spray atomization of droplets are smaller and more uniform, less fill-ups, even distribution of concentrated spray, complete foliage coverage, better product utilization, less chemical waste and soil contamination. All Venturi Air Sprayers shown on the following pages have these same advantages.

FEATURES:

- Cat. 1, 3-point hitch, P.T.O. 540 RPM
- High performance, precision balanced all steel centrifugal fan
- Special molded polyethylene fan housing
- Translucent heavy walled polyethylene tank with lid, sump and strainer basket
- Built-in overrunning clutch to protect the tractor and sprayer drive train
- Compact, rounded tank design permits traveling through vegetation without damaging it
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Agitation by liquid sparging tube and air from the fan
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Power band fan speed-up is automatically adjusted by spring loaded idler
- Broad range of Venturi distribution heads that produce 50 micron droplets and are specially designed to match a variety of foliage profiles
- Capable of application rates of 20 to 200 gallons per acre, depending on row width
- Reachable controls from tractor seat, allows operator to switch liquid from off to right, left or both sides spraying
- Built-in 6 gallon fresh water safety tank

SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	H.P. REQ'D	WT.
P42N1-300-G	75 Gallons	2350	38"	18 H.P.	400#
P42N1-400-G	100 Gallons	2350	44"	18 H.P.	440#
P45N1-400-G	100 Gallons	3180	44"	32 H.P.	455#

Two Row Venturi Air Sprayers

Sprays Two Complete Rows In One Pass So Your Spraying Time is Cut In Half



The Venturi 2 Row Sprayer covers two complete rows at one time so your spraying time is cut in half; reducing your labor, fuel, wear and tear on your tractor/sprayer, and since you are travelling every other row, you will have less soil compaction. Plant coverage is greatly increased because the spray enters the foliage from opposite directions at the same time. Thus, chemical drift is greatly reduced as the spray is held in the foliage longer.

FEATURES:

- Cat. I & II, 3-point hitch, P.T.O. 540 RPM
- High performance, precision balanced all steel centrifugal fan
- Special molded polyethylene fan housing
- Translucent heavy walled polyethylene tank with lid, sump and strainer basket

SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	H.P. REQ'D	WT.
P50N1-400-G	100 Gallons	4444	44"	45 H.P.	510#
P50N1-600-G	150 Gallons	4444	57"	45 H.P.	540#
P50S1-600-G	150 Gallons	4875	57"	52 H.P.	540#

These sprayers are available with many different types of distribution heads, however the most productive is the unit shown above. The over the row nozzles are adjustable for 6 to 10 foot rows. The extensions have hydraulic cylinders for folding away when required.

- Compact, rounded tank design permits traveling through vegetation without damaging it
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Agitation by liquid sparging tube and air from fan
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Reachable controls from tractor seat, allows operator to switch liquid from off to right, left or both sides spraying
- Built-in 6 gallon fresh water safety tank

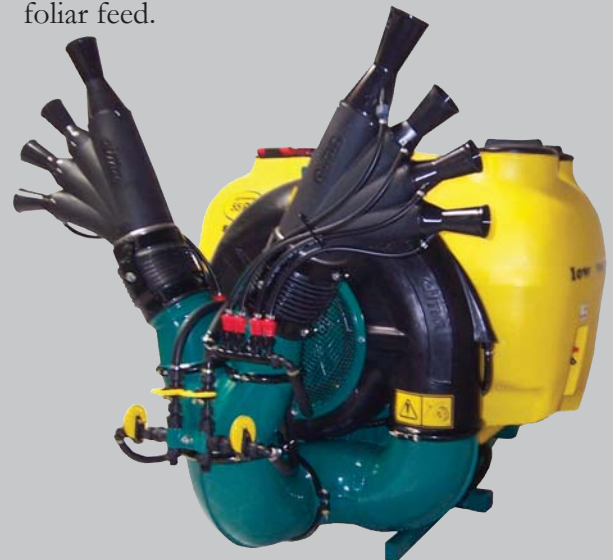


The development of this sprayer was for horizontal spraying up to 90 feet. The system features 4 upper cannons, one central cannon and 4 lower nozzles. This cannon sprayer is popular in areas of limited tractor roads and is used in nurseries and crops like melons.

This model features fishtail type distribution heads for orchards with trees up to 35 feet in height. The fishtails are fitted with special manifolds with a total of 64 orifice outlets. This feature produces a fine mist spray to obtain total plant coverage. Also, growers have found that the sprayer is the most economical way to apply foliar feed.

FEATURES:

- Cat. 2, 3-point hitch, P.T.O. 540 RPM
- Translucent heavy walled polyethylene tank with lid, sump and strainer basket
- Built-in overrunning clutch to protect the tractor and sprayer drive train
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Agitation by liquid sparging tube and air from fan
- Low pressure spraying system - 15 to 40 PSI
- Electro valve controls to switch liquid from off to right, left or both sides spraying
- Built-in 6 gallon fresh water safety tank



This sprayer has special tall tree cannons that will give complete coverage on trees up to 50 feet in height. The unit was designed for spraying walnuts, avocados, and other tall tree orchards. The sprayer is also excellent for applying foliar feed.

SPECIFICATIONS:

MODEL NO.	GAL.	VOL. OF AIR	WIDTH	H.P. REQ'D	WT.
P55S1-600-G	150	8,240	57"	60 H.P.	550#

Venturi Air - Short Turning Hitch

With Short Turning Radius Hitch - Designed So The Driveshaft Is Always Straight In Line



The sprayer shown is equipped with 2 - 4 nozzle lower heads and 2 upper cannons for spraying 4 half rows. For increased coverage late in the season, the upper cannons can be adjusted down for spraying vines in the tractor row. The unique feature of the sprayer is that the fan and distribution head is 3-point hitch mounted. The trailer/tank assembly is attached to the 3-point hitch with a heavy duty swivel hitch. This allows the sprayer to "turn on a dime" with no stress or damage as the drive system is also straight.

This 3-point/trailer sprayer is perfect for narrow rows and short head lands.

FEATURES:

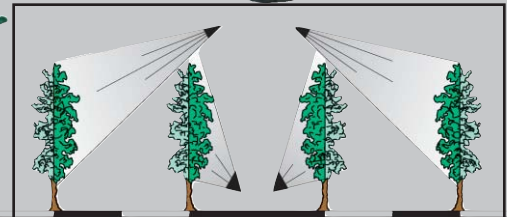
- Cat. I, 3-point hitch, P.T.O. 540 RPM
- Turns as sharp as your tractor
- Parking stands for 3-point and trailer assemblies
- High performance, precision balanced all steel, front mounted centrifugal fan
- Special molded polyethylene fan housing
- Translucent heavy walled polyethylene tank with hinged lid, sump, strainer basket and shower head

SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	LENGTH	TIRE SIZE	H.P. REQ'D	WT.
L50N1-800	200 Gallons	4444 C.F.M.	43"	9'	9.5Lx15-8 Ply	48 H.P.	855#
L50S2-1200	300 Gallons	5000 C.F.M.	54"	9'	11Lx15-8 Ply	52 H.P.	960#

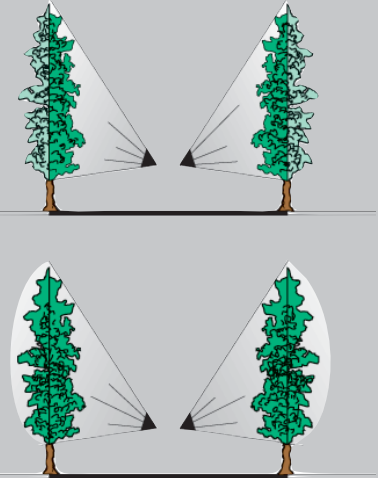


300 Gallon w/Optional Distribution Head Shown



Developed especially for vineyards with short head lands.

- Dual tank lids for safety, one for water and one for adding chemicals
- Simple efficient "Dial-A-Rate", 15 position metering disc
- Centrifugal pump - 37 G.P.M.
- Dual agitation systems, liquid and air
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Power band fan speed-up is automatically adjusted by spring loaded idler
- Reachable controls from tractor seat, allows operator to switch liquid to right, left or both sides spraying
- 8 Gallon fresh water safety tank



FEATURES:

- Trailer mounted, P.T.O. 540 R.P.M.
- Translucent heavy walled polyethylene tank with hinged lid, sump, strainer basket and shower head
- Unique polyethylene belly mounted air tubing to the distributor heads
- Dual tank lids for safety, one for water and one for adding chemicals
- Compact, rounded tank design permits traveling through vegetation without damaging it
- Adjustable tread width, facilitates matching sprayer tread with tractor tread
- Tongue with clevis hitch has length adjustment
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Dual agitation systems, liquid and air
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Built-in overrunning clutch to protect the tractor and sprayer drive train
- Power band fan speed-up is automatically adjusted by spring loaded idler
- Electro-valve controls to allow operator to switch liquid from off to right, left, or both sides spraying
- Built-in 8 gallon fresh water safety tank



Our 200 Gallon Trailer Mounted Sprayer was developed for low horsepower tractors doing narrow row spraying. Tractors with P.T.O. horsepower of as low as 36 will handle this sprayer. The 48 inch overall sprayer width allows for operating in the narrowest of rows. Growers achieve the following additional benefits - spray atomization of droplets are smaller and more uniform, less fill-ups, even distribution of concentrated spray, complete foliage coverage, better product utilization, less chemical waste and soil/water contamination.

SPECIFICATIONS:

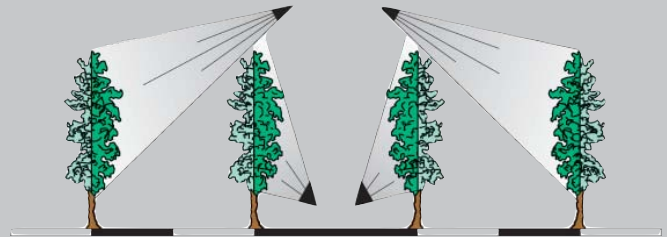
MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	LENGTH	TIRE SIZE	H.P. REQ'D	WT.
T45N1-800	200 Gallon	3,180 C. F.M.	48"	10' - 5"	9.5Lx15-8 Ply	36 H.P.	910#



*Shown with optional
16" wide x 52"
long floatation tracks*

FEATURES:

- Trailer mounted, P.T.O. driven 540 RPM
- Translucent heavy walled polyethylene tank with hinged lid, sump, strainer basket and shower head
- Dual tank lids for safety, one for water and one for adding chemicals
- Compact, rounded tank design permits traveling through vegetation without damaging it
- Adjustable tread width, facilitates matching sprayer tread with tractor tread
- Dual agitation systems, liquid and air
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Electro-valve controls to allow operator to switch liquid from off to right, left, or both sides spraying
- Built-in 8 gallon fresh water safety tank



This sprayer was developed for the Cane/Bush Berry growers who requested a very narrow sprayer to spray 4 half rows of thick foliage berries. This sprayer required dual upper cannons extended out 10 feet on each side of the sprayer with electric actuator adjusters to direct and insure greater foliage penetration on the outer rows. Upper and lower 4 + 4 distribution heads in the drive row and our most powerful turbine fan.

SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	LENGTH	TIRE SIZE	H.P. REQ'D	WT.
T55AE-800	200 Gallon	9,125 C. F.M.	52" Min.	10' - 3"	9.5 x 15	60 H.P.	1945#

Sprays Two Complete Rows In One Pass So Your Spraying Time Is Cut In Half



The Gearmore 300 Gallon 2 Row Venturi Air Sprayer covers two complete rows at one time so your spraying time is cut in half; reducing your labor, fuel, wear and tear on your tractor/sprayer, and since you are travelling every other row you will have less soil compaction. Plant coverage is greatly increased because the spray enters the foliage from opposite directions at the same time. Thus, chemical drift is greatly reduced as the spray is held in the foliage longer. Hydraulic booms operated from the tractor seat fold away when required.

FEATURES:

- Molded polyethylene 300 gallon tank
- Dual centrifugal pumps - 37 GPM for spraying and 37 GPM for agitation
- Dual agitation systems, liquid and air
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Wheels are adjustable up or down, front or rear, in or out to obtain the best balance
- Electro-valve system controls spray off or on, both sides spray, right or left only
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Shower head is built into the main strainer basket to easily put wettable powders into suspension
- Separate safety clean water 8 gallon tank for handwashing
- 4 Distribution heads w/4 Venturi nozzles on each head w/individual shut off valves
- Frame width adjusts for row from 6' to 10'

SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	WIDTH	LENGTH	TIRE SIZE	H.P. REQ'D	WT.
T50S2-1200	300 Gallons	5,000 C.F.M.	55"	11' - 8"	11Lx15-8 Ply	52 H.P.	970#

www.gearmore.com

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**"10 Year Warranty
on Polyethylene
Trailer Tanks"**

500 Gallon



*Optional Floatation Tracks
smooths out the ride, floats
over wet ground and greatly
reduces compaction.*

FEATURES:

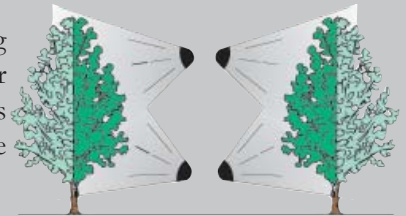
- High performance, precision balanced all steel, front mounted, centrifugal fan
- Translucent heavy walled polyethylene tank with hinged lid, sump, strainer basket and shower head
- Dual centrifugal pumps - 37 GPM for spraying and 37 GPM for agitation
- Dual agitation systems, liquid and air
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Broad range of Venturi distribution heads that produce 50 micron droplets and are specially designed to match a variety of foliage profiles
- Electro-valve controls to allow operator to switch liquid from off to right, left, or both sides spraying
- Built-in 8 gallon fresh water safety tank



These unique Venturi Air Sprayers feature our most powerful high speed turbine fans and are the latest technology in low volume spraying. Thus, growers achieve the following benefits: spray atomization of droplets are smaller and more uniform, less fill-ups, even distribution of concentrated spray, complete foliage coverage, better product utilization, less chemical waste and soil/water contamination.



This sprayer is operating with 2 lower & 2 upper orchard distribution heads to insure coverage on the upper half of trees.



SPECIFICATIONS:

MODEL NO.	GALLONS	VOLUME OF AIR	MIN. WIDTH	OVERALL LENGTH	TIRE SIZE	H.P. REQ'D	WT.
T55S2-1200	300 Gallon	8240 C.F.M.	55"	12'	11Lx15-8 Ply	60 H.P.	1020#
T55S2-2000	500 Gallon	8240 C.F.M.	71"	14'	12.5Lx15-10 Ply	60 H.P.	1555#
T55E2-2000	500 Gallon	9123 C.F.M.	71"	14'	12.5Lx15-10 Ply	74 H.P.	1555#



*Boom Model
TS56MC55D12
On 500 Gallon
Sprayer Shown*

*We custom build booms and
electro/hydraulic controls to
grower's requirements.*



Now available is a complete series of high strength Wrap-A-Round Spray Booms. The booms feature extra strong framing with heavier support tubings to the sprayer frame. The five hydraulic cylinders give total control on height adjustment, swing up for in row obstructions, and fold away for transport. The width adjustment is manual, optional electro cylinders operated from the tractor seat are available. These booms are available to spray two complete rows or two complete rows and two half rows. Boom controls require 5 rear remotes or Gearmore's optional electro over hydraulic kit. The booms are designed to fit the popular 300 and 500 gallon Venturi Air Sprayer.



FEATURES:

- Sprayer features same as on previous page
- Booms swing hydraulically from operational to closed position
- Booms fold forward for transport and lock
- Height adjustment is hydraulic
- Boom bottoms can be fitted with single or double 4 + 4 nozzles or fishtails
- Boom tops can be fitted with 4 + 4 nozzles, cannons, fishtails, depending on crop

Boom Model #:	Sprayer Model:	Gals:	No. of Rows:	No. of Nozzle Assy:	Row Space:	Max. Crop Height:	Boom Clearance:	Nozzle Positions:	Type of Bottom Nozzles:	Type of Top Nozzles:
TS56MB55M12 "A" Boom	T55S2-1200	300	2 - Full 2 - Half	6	7.5' - 10'	7 ft.	8 1/2 ft.	Bottom Only	4 Outlet Head	None
TS56MC55D12 "A" Boom	T55S2-2000	500	2 - Full 2 - Half	6	9.5' - 13'	8 ft.	9 1/2 ft.	Bottom Only	4 Outlet Head	None
TS54M4CC55D12 "B" Boom	T55E2-2000	500	2 - Full	8	9.5' - 13'	8 ft.	9 1/2 ft.	Top & Bottom	4 Outlet Head	Cannons
TS512MC55D12 "D" Boom	T55E2-2000	500	2 - Full 2 - Half	12	9.5' - 13'	8 ft.	9 1/2 ft.	Top & Bottom	4 Outlet Head - Bottom & Top	
TS52V4V6V55D12 "Olive" Boom	T55E2-2000	500	2 - Full	12	9.5' - 13'	8 ft.	9 1/2 ft.	Top, Center & Bottom	Fishtail Head - Bottom, Center & Top	

*27' Boom
Sprayer Shown*



- 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 with belt drive to fan and pump with overrunning clutch
- NOZZLES:** "No drip" system on each nozzle and individual liquid shut-off by hand, replaceable stainless steel discs and 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:** Precision balanced all steel centrifugal fan
- 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 and extend life



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 and hydraulic fold away features to prevent damage and for transport
- Boom raises and 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

Models:	P50S-600-27	P55S1-600-40S	P55S1-600-40
Boom Width:	27'	40'	40'
Rows:	8 Row	7 Row	12 Row
No. of Nozzles:	2 + 2 = 32	2 + 3 + 2 = 49	2 + 2 = 48
Boom Design:	Steel Tubing	Framed Poly Air Tubing	Framed Poly Air Tubing
Tank Capacity:	150 Gal.	150 Gal.	150 Gal.
Diameter of Fan:	19.75"	21.75"	21.75"
Fan (RPM):	4320	3720	3720
Volume of Air (CFM):	4875 C.F.M.	8240 C.F.M.	8240 C.F.M.
Air Speed at Foliage:	10-50 MPH	10-50 MPH	10-50 MPH
Controls:	Liquid	Electro-Valve	Electro-Valve
Minimum Tr. HP:	52 H.P.	60 H.P.	60 H.P.
Sprayer Weight:	1230#	1800#	1800#

ADVANTAGES:

- The Venturi Air Sprayer produces over 200 micro droplets for every average spray droplet produced by a traditional air blast sprayer.
- The Venturi Air Sprayer will spray from 2 to 4 time longer between fill-ups than air blast sprayers of the same tank size.
- The Venturi Air Sprayers efficiently operate at only 15 to 40 PSI, versus air blast air sprayers at 300 to 500 PSI. This low pressure greatly reduces maintenance costs.
- Venturi Trailer Air Sprayers have a front mounted fan, therefore, there are no long drivelines that run through the tank, no extra universal joints or bearings to service and spray laden air is not recirculated through the air system.
- The Venturi Air Sprayer has a simple "Dial-A-Rate" disc to set application rates. There are no expensive orifice discs to change and replace as with air blast sprayers.
- Venturi Air Sprayers obtain a vast improvement on spray coverage over air blast sprayers.

UNIQUE FEATURES:



Shower head is built into strainer basket



One piece polyethylene fan housing



Built-in overrunning clutch to protect drive train



Rotating calibration discs - easy to adjust & regulate chemical application



Trailer model electro valve controls to operate on, off, left, & right spraying



Large 3" dia. glycerine filled gauge, easy to see from tractor seat

SCAN THIS QR CODE to see our 19 page Facts & General Information Booklet on Venturi Air P42/P45 3-Pt. Sprayers



WE ARE THE ONLY SPRAYER SUPPLIER WHO CUSTOM BUILDS DISTRIBUTOR HEADS TO FIT GROWERS EXACT FOLIAGE PROFILE

Specifications Subject To Change Without Notice

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