

**Quality and performance**  
**Simply the best**



***Estate Sprayers***

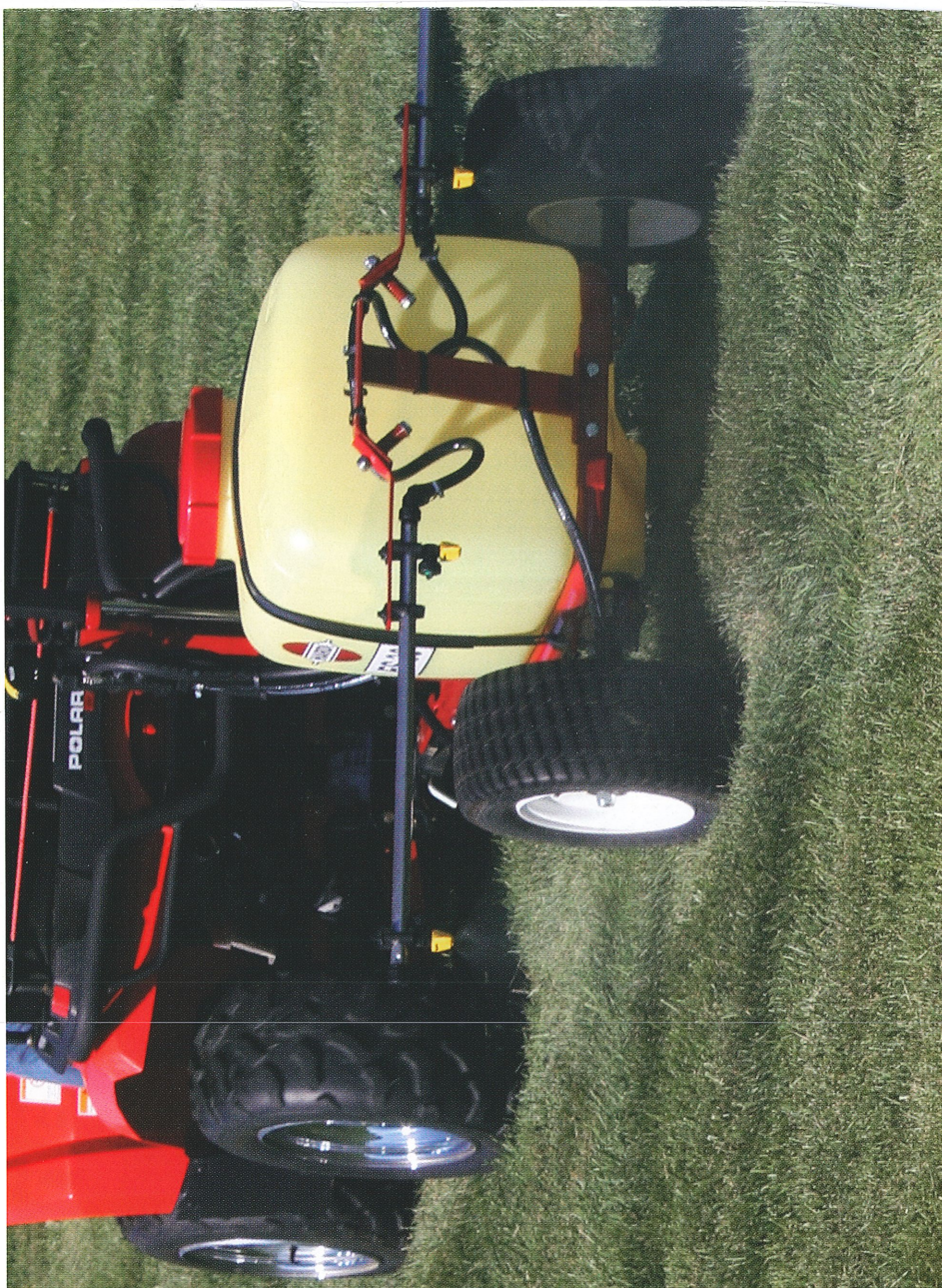


# Estate Sprayers

When it comes to sprayer application technology HARDI reigns supreme. You will find a broad range of Estate sprayers to meet your application, whether it be for yard work or large commercial applications. The same high quality engineering standards that apply to our largest field sprayers are incorporated in the design and manufacturing of the Estate sprayers. Take a close look and you will find the sprayer that will best suit your needs.

## HARDI polyethylene tank features:

- Blow molded
- Tank capacity scale molded in
- Deep sump
- Bottom drain
- Damage resistant
- Chemical resistant and U.V. stabilized



## Control Systems



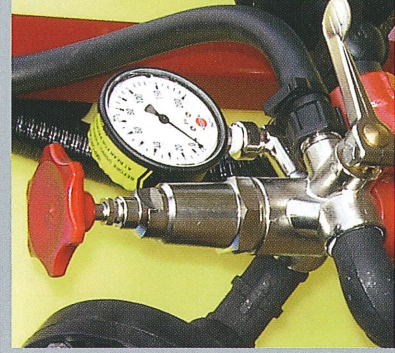
### The ET manual control provides:

- On/off for boom and spray gun
- Pressure adjustment
- Excess flow return through agitation
- Glycerin filled pressure gauge



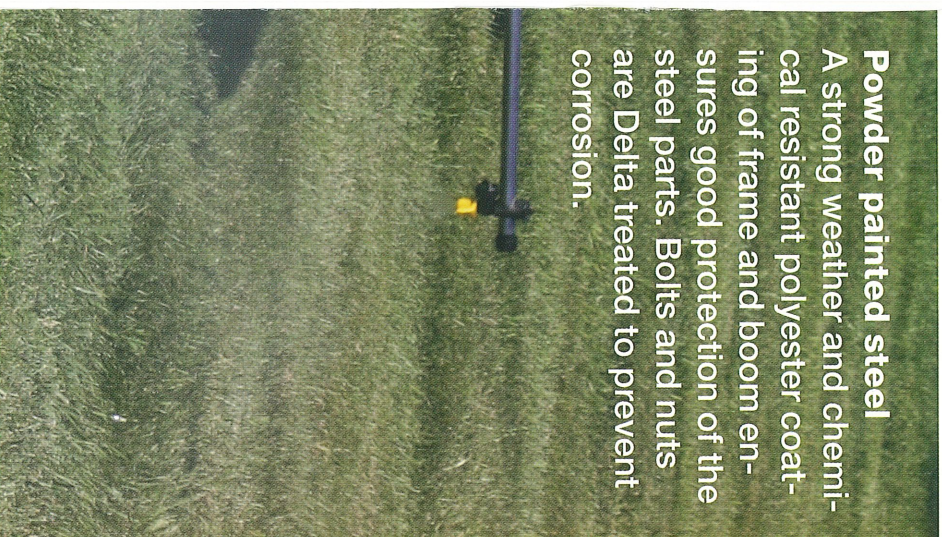
### The M70 manual control offers:

- Main on/off with bypass flow for on demand applications
- Return via agitation for optimal tank mixing
- Individual boom and spray gun feed lines
- Pressure adjustment
- Glycerin filled pressure gauge



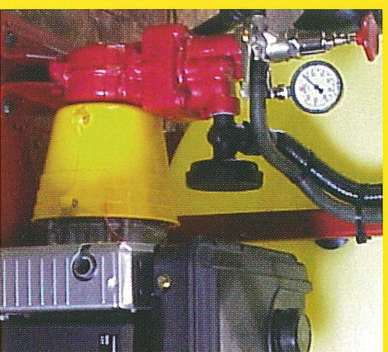
## Powder painted steel

A strong weather and chemical resistant polyester coating of frame and boom ensures good protection of the steel parts. Bolts and nuts are Delta treated to prevent corrosion.



## Diaphragm pumps

Diaphragm pumps are used on all Estate sprayers. 12 volt FloJet for all ES and SM models with or without booms. Direct drive 503 and 603 pumps with gas engine for ES & SM sprayers (50 & 80 gallons) with or without booms. PTO driven 503 on the BNL 50 sprayer with or without the boom.



### The HARDI diaphragm pumps are:

- Designed for the application of plant protection chemicals and liquid fertilizer
- Self-priming
- Able to run dry without damage
- Easy to service
- Grease lubricated (dry crank case)
- Fitted with chemical resistant valves and polyurethane diaphragms
- Positive displacement
- 503 pump 4.2 GPM (Max 220 PSI)
- 603 pump 8.4 GPM (Max 220 PSI)

### The FloJet electric diaphragm pump offers:

- Low cost
- Dependability
- Self priming
- Positive displacement
- 2.1 GPM (Max 50 PSI)



### Direct drive

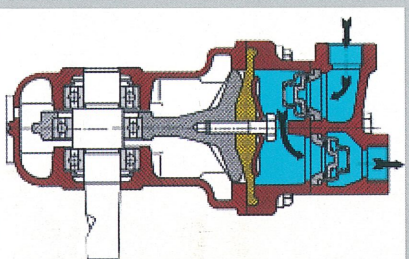
All HARDI 500 and 600 diaphragm pumps with gas engines are direct coupled for drive efficiency.

Standard engine is the 3.5 HP Briggs & Stratton. An optional 4.0 HP Honda is available.

\*Pump GPM and PSI ratings are for flow at the pump and can vary based on nozzle size, product viscosity, system plumbing, and RPM speed.

## The M600 brass manual control has:

- On/off lever for boom and spray gun
- Pressure adjustment
- Glycerin filled pressure gauge

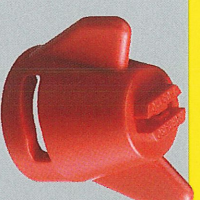


### Principle of the HARDI diaphragm pump:

The diaphragm separates the liquid from the crankshaft and bearings. Keeping wear to a minimum. The crankshaft and bearing are lubricated by a single grease fitting, greatly reducing the chance of any petroleum based product leaking from the pump case and damaging turf.

### HARDI designed and manufactured syntal flat fan boom nozzles feature:

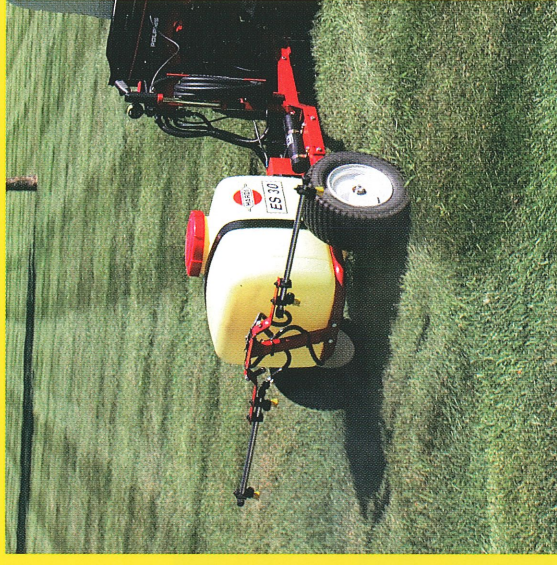
- Long wear life
- Excellent accuracy for more consistent coverage
- 110° spray pattern provides excellent distribution
- Nozzles comply with the ISO standard regarding flow, colors, coding and outer-dimensions
- Wide range available for variation in application



# ES Trailer Sprayers

## ES trailer sprayers

HARDI trailer estate sprayers are ideal for the homeowner, turf care professionals, and for municipal and industrial turf caretakers. Three different tank sizes will meet a variety of needs and are designed for use with garden tractors to be able to fit into small areas.



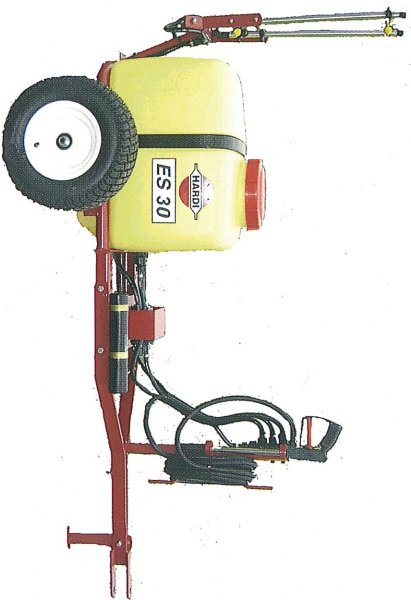
### ES trailer features

- FloJet 12 volt electric diaphragm pump standard on ES 30, 50 and 80
- HARDI 500 diaphragm pump with direct drive optional on ES 50 and ES 80
- Briggs & Stratton 3.5 HP or optional Honda 4 HP engine
- Tank capacities: 30, 50, and 80 gallons
- Heavy duty frame with hitch stand
- Turf tire sizes: 16 x 7.50-8 on ES 30 and ES 50  
20 x 10.00-8 on ES 80
- Boom type: 6' vertical fold or 14' horizontal fold, both with fore and aft breakaway
- ET controls
- 2 1/2" glycerin filled pressure gauge
- Distribution valves for boom and spraygun

- Wiring kit complete with on/off power switch included for operation of the FloJet pump with fuse protection
- Two filter system; suction and nozzle filters
- Return agitation
- HARDI® 110° ISO flat fan Snap Fit nozzles
- Filter basket for tank lid (keeps debris out of tank when filling water and adding products)
- Tank sump
- Bottom tank drain
- Built in hose wrap and holder for spray gun
- Spray gun with 25' of hose (40' optional)

### ES 30

ES 30 standard equipment includes the FloJet 12 volt electric diaphragm pump, ET controls, 6' vertical fold boom, HARDI Snap Fit nozzles, and spray gun with 25' hose and hose wrap.



### ES 50

ES 50 standard equipment includes FloJet 12 volt electric diaphragm pump, ET controls, 6' vertical fold boom or 14' horizontal fold boom, HARDI Snap Fit nozzles, and spray gun with 25' hose and hose wrap. The ES 50 can be optionally equipped with the HARDI 500 diaphragm pump with gas engine direct drive. Individual LH & RH boom section control is optional equipment for the 14' boom.



### ES 80

ES 80 standard equipment includes FloJet 12 volt electric diaphragm pump, ET controls, 6' vertical fold boom or 14' horizontal fold boom, HARDI Snap Fit nozzles, and spray gun with 25' hose and hose wrap. The ES 80 can be optionally equipped with the HARDI 500 diaphragm pump with gas engine direct drive. Individual LH & RH boom section control is optional equipment for the 14' boom.



## Specifications

Tank Size (gal)	Boom (ft)	Spray width	Pump Model	Pump Capacity (gpm)	Max pump pressure (PSI)	Weight (lb)
30	6	6' 7"	FloJet 12V	2.1	50	136
50	6/14	6' 7"/13' 4"	FloJet 12V	2.1	50	154/190
50	6/14	6' 7"/13' 4"	HARDI 500600	4.2/8.4	220	228/264
80	6/14	6' 7"/13' 4"	FloJet 12V	2.1	50	202/238
80	6/14	6' 7"/13' 4"	HARDI 500/600	4.2/8.4	220	276/312

\* Weight varies with optional 600 pump and hose reels and other accessories.

Max dimensions with boom (ES 30) 83" L x 39"W x 48"H - (ES 50) 85" L x 42"W x 39"H - (ES80) 99" L x 45"W x 40"H



# BNL 3-pt Mounted Sprayers



## BNL 50 3-Point sprayers

An excellent choice for use with compact tractors that will enable municipal and industrial turf care professionals easy maneuverability. Simple to mount and operate.

### BNL 50

BNL 50 standard equipment includes HARDI 500 diaphragm pump with PTO drive, M70 spray controls and spray gun with 25' of 1/2" hose and hose wrap. An optional 14' horizontal fold boom, HARDI 110° ISO Snap Fit nozzles is available.

### BNL features

- HARDI 500 diaphragm pump with 540 RPM PTO drive and PTO shaft
- Tank capacity: 50 gallons
- Heavy duty frame with Cat. I-II hitch
- Optional Boom: 14' horizontal fold with fore and aft breakaway
- M70 control
- 2 1/2" glycerin filled pressure gauge
- Distribution valves for spray gun and optional boom control for two boom sections.
- Two filter system; suction and nozzle filters
- Return pump flow for system agitation and mixing
- HARDI 110° ISO flat fan Snap Fit nozzles
- Filter basket for main tank lid (keeps debris out of tank when filling water and adding product)
- Tank sump
- Bottom tank drain
- Hose wrap with spray gun holder
- Spray gun with 25' of 1/2" hose (40' optional)

## Specifications

Tank Size (gal)	Boom (ft)	Spray width	Pump Model	Pump Capacity (gpm)	Max pump pressure PSI	Weight (lb)
50	NA	NA	HARDI 500	4.2	220	185
50	14	13' 4"	HARDI 500	4.2	220	225

Max dimensions with optional 14' boom (BNL 50) 53"L x 41"W x 61"H



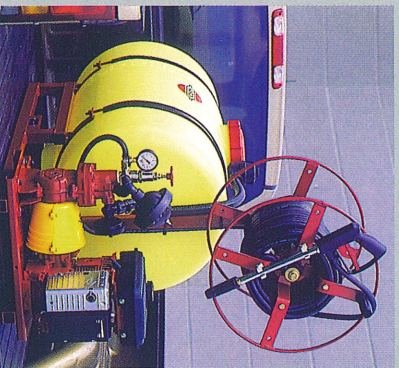
## SM skid mount sprayers

Skid mount sprayers easily mount in a variety of vehicles for conversion to an effective spraying unit for turf care professionals.

### SM features

- FloJet 12 volt electric diaphragm pump (SM 50), HARDI® 500 diaphragm pump with direct drive (SM 50 and 80)
- Briggs & Stratton 3.5 HP or optional Honda 4 HP engine
- Tank capacity: 50 or 80 gallons
- Frame for vehicle mounting
- Optional 14' horizontal fold boom
- ET or M600 controls
- 2-1/2" glycerin filled pressure gauge
- Suction filter
- Return agitation
- Filter basket for main tank lid (keeps debris out of tank when filling water and adding product)
- Tank sump
- Bottom tank drain
- Hose wrap or optional hose reel
- Spray gun with 40' of 1/2" hose or optional 100' hose with manual reel

## SM Skid Mounted Sprayers



Tank Size (gal)	Boom (ft) (Opt.)	Spray width	Pump Model	Pump Capacity (gpm)	Max pump pressure PSI	Weight (lb)
50	14	13' 4"	FloJet 12v	2.1	50	84
50	14	13' 4"	HARDI 500/600	4.2	220	194
80	14	13' 4"	HARDI 500/600	4.2	220	210

### Specifications

\* Weight varies with optional 600 pump and hose reels and other accessories.  
 Max dimensions without options (SM 50) 55" L x 41" W x 33" H - (SM 80) 64" L x 41" W x 34" H

# Backpack and Handheld

## Backpack and Handheld compression sprayers

A series of backpack and handheld sprayers are available. A separate brochure is available for details on each of the models.



BP-15

BP-20



P8



P6

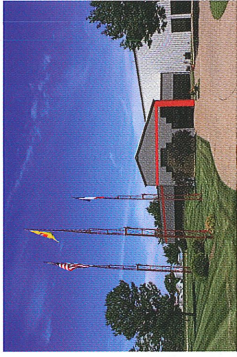


P1.5



**HARDI - The Sprayer**  
 HARDI INTERNATIONAL A/S is an international group whose basic idea is to satisfy the user's requirements for quality products which ensure efficient, punctual and precise application of crop protection products. Our world-wide distribution and sales network comprise more than 100 countries where we are represented by importers, agents and sales subsidiaries. These are situated in Sweden, Norway, Denmark, the UK, France, Spain, North America, Germany and Australia.

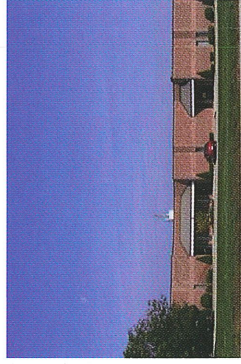
Since 1957 HARDI has committed to the ever-increasing demands for efficient and precise plant protection. HARDI is the trendsetter within application of crop protection products. To achieve this position continued developments and innovation are essential. HARDI is committed to the long term future of plant protection.



HARDI North America, Davenport, IA



HARDI Test Center, Davenport, IA



HARDI North America, London, ON

## Backpack and Handheld compression sprayers

Model	Tank size liters	Tank size gallons
P 1.5	1.5	0.40
P 6	6.0	1.60
P 8	8.0	2.10
BP-15	15.0	3.95
BP-20	20.0	5.25



The Sprayer

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**HARDI - Your Sprayer Specialist**

Read more at [www.hardi-us.com](http://www.hardi-us.com)