



# MARUYAMA®

## COMMERCIAL CHEMICAL APPLICATION EQUIPMENT CATALOG



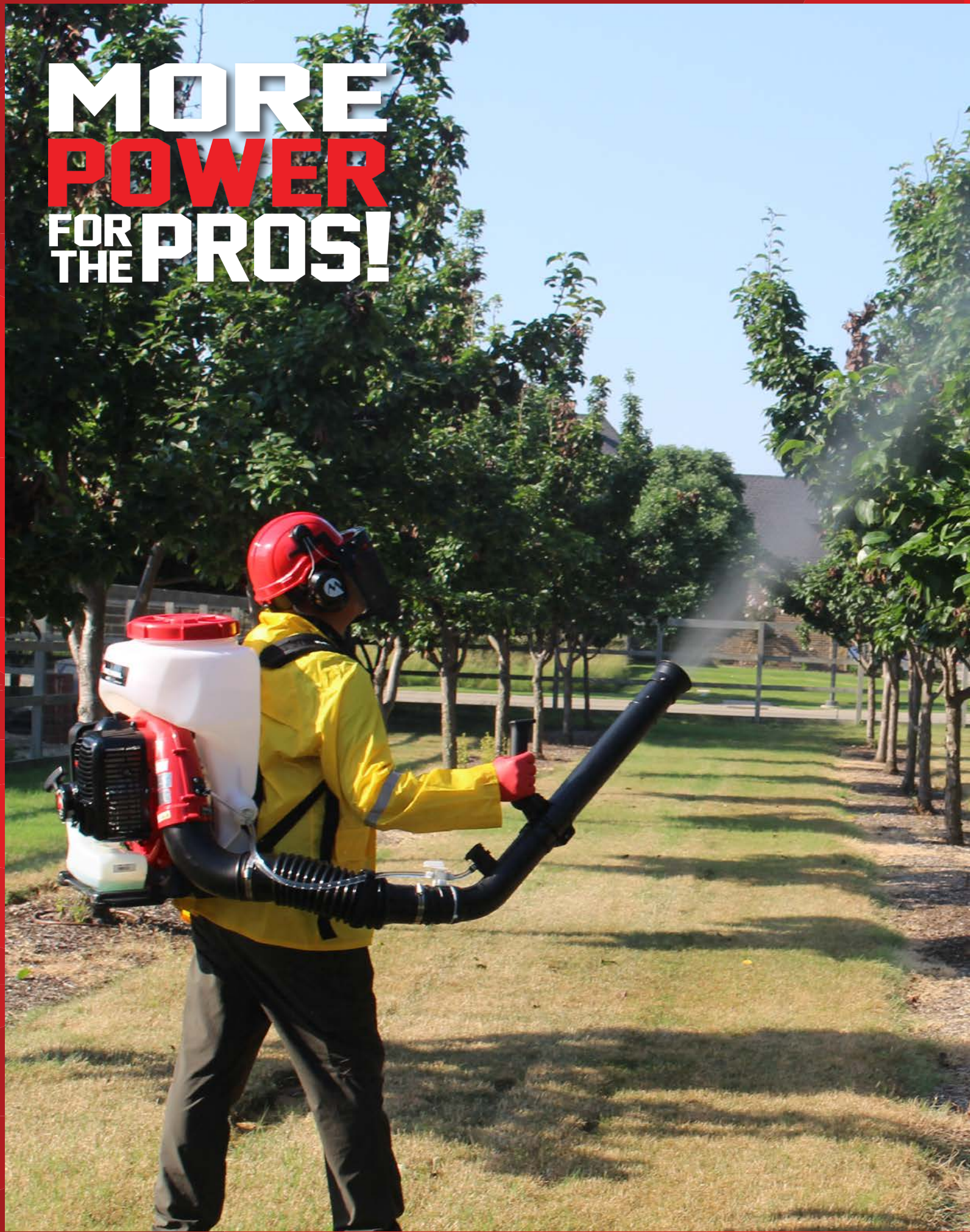
**MORE  
POWER  
FOR THE PROS!**

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OR SCAN THE  
CODE FOR MORE:



**MORE  
POWER  
FOR THE PROS!**



# WELCOME

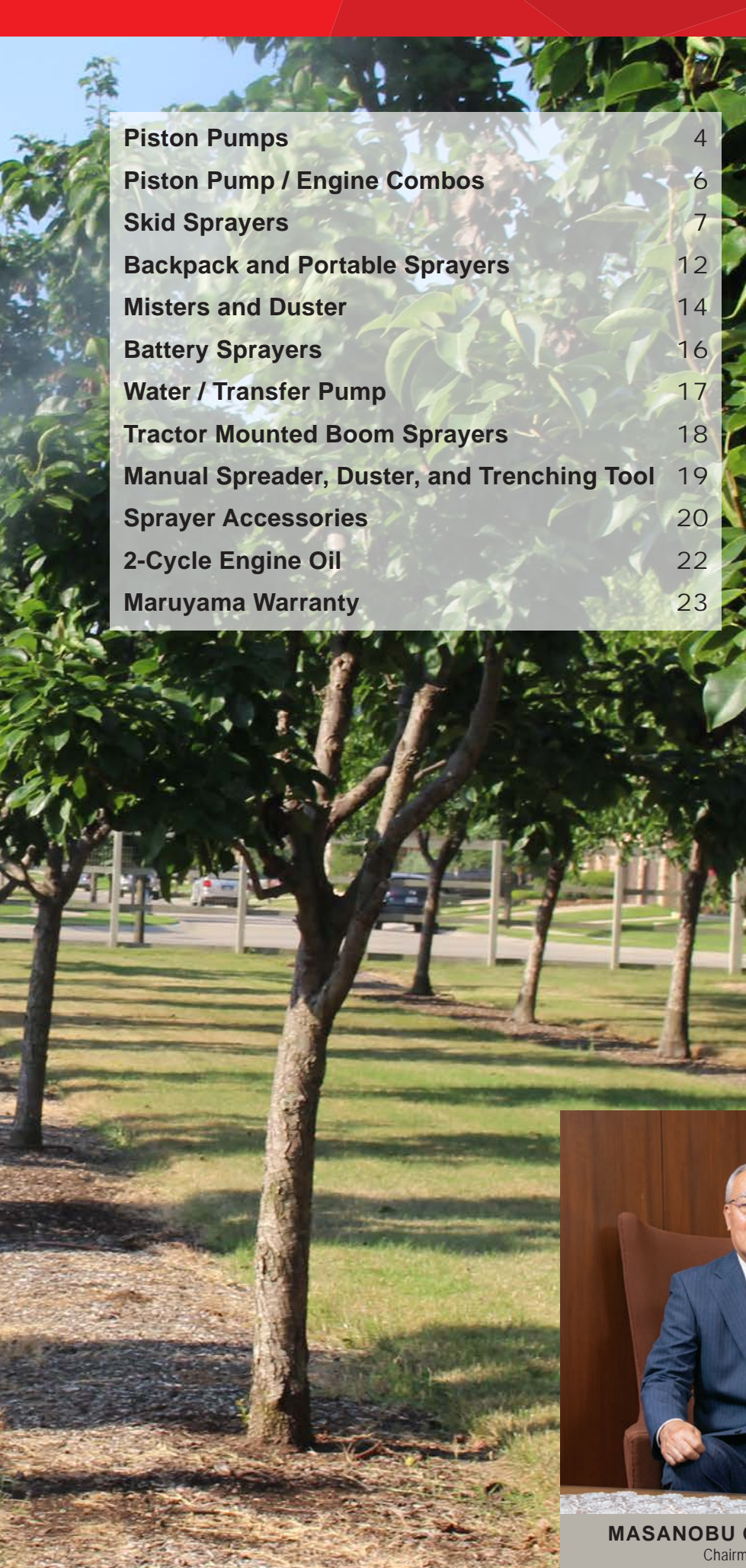
We proudly celebrate **Maruyama's** 127th anniversary as an industry-changing manufacturing company.

**Maruyama** began as a family business manufacturing fire extinguishers in 1895, Japan. The Uchiyama family then started to manufacture manual sprayers in 1918. With their development of the power sprayer in 1933, **Maruyama** played an important role in disaster control and prevention. They also contributed to food production in the agricultural industry during the post-depression years.

For over a century, **Maruyama** has become a world leading manufacturer of disaster relief and prevention equipment, creating high quality pressure industrial pumps, sprayers and commercial-grade 2-cycle hand held landscape equipment. **Maruyama US** is now claiming a part of the pest control industry with newly designed, versatile, high-capacity skid sprayers.

**Maruyama** endeavors to meet and exceed life's obstacles with our commercial grade power equipment and sprayers.

|  |    |
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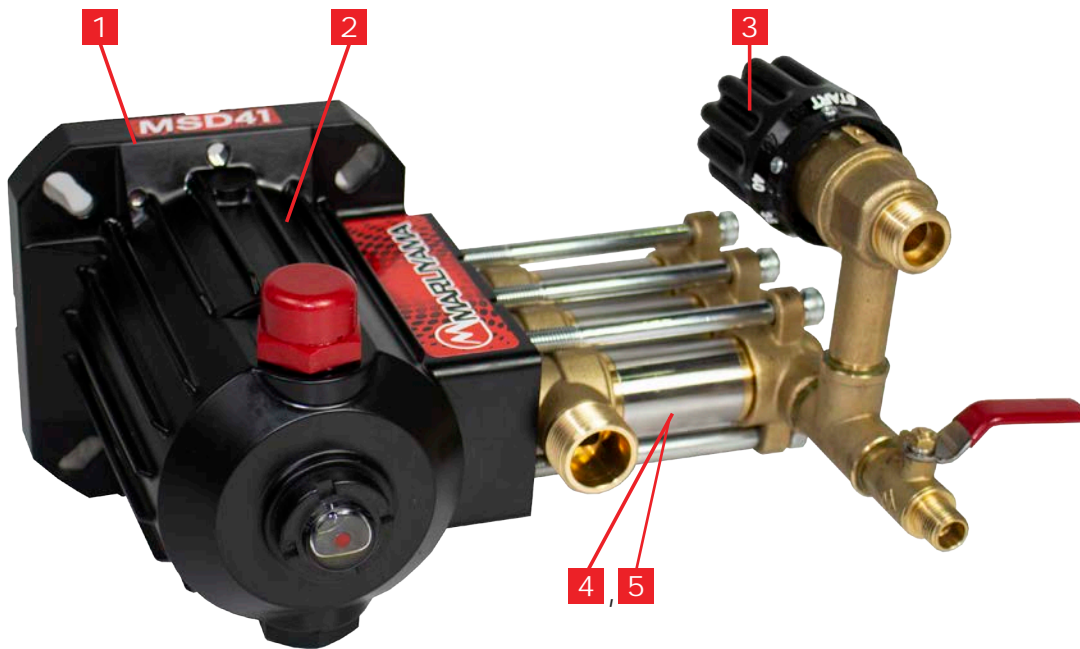


**MASANOBU OGASHIRA**  
Chairman

**TAKAHARU UCHIYAMA**  
President

# PISTON PUMPS

MARUYAMA UNIFLOW™ TECHNOLOGY - Maruyama piston pumps utilize our patented, simple UNIFLOW™ design which ensures fluid moves in only one direction throughout the pump without changing its direction. The piston pumps require less horsepower to operate at peak performance. This technology is unsurpassed for efficiency and reduced fuel consumption.



**MORE  
POWER  
FOR THE PROS!**

## 1. DIRECT COUPLING

Easy to mount to engine, reduced space and less components needed to complete the spray unit

## 2. RESISTANT CRANKCASE

Extremely durable materials for long term performance and corrosion resistance

## 3. PRESSURE REGULATOR

One knob to control working pressure and flow rates

## 4. HIGH EFFICIENCY CHROME CYLINDER

Chrome plated interior for increased resistance to abrasion, chemicals, and heat

## 5. SELF LUBRICATING AND SELF COOLING

The fluid moving through the pump provides lubrication and cooling for the pump



## DIRECT DRIVE PISTON PUMPS



|                                | <b>MSD41 3/4"</b> | <b>MSD41 5/8"</b> | <b>MSD51 3/4"</b> |
|--------------------------------|-------------------|-------------------|-------------------|
| Cylinders                      | 3                 | 3                 | 3                 |
| Cylinder coating               | CHROME            | CHROME            | CHROME            |
| Direct drive type              | GASOLINE          | ELECTRIC          | GASOLINE          |
| Dry weight                     | 11.7 lbs          | 11.7 lbs          | 17.2 lbs          |
| Pressure (psi max.)            | 570               | 570               | 570               |
| Suction volume (gpm @ 3600RPM) | 8 gpm             | 8 gpm             | 10.5 gpm          |
| Maximum RPM                    | 3600              | 3600              | 3600              |
| Required power (approx)        | 3.6 HP            | 3.6 HP            | 5.0 HP            |
| Part number                    | <b>366537</b>     | <b>366538</b>     | <b>366559</b>     |

## BELT-DRIVEN PUMPS



|                         | <b>MS333</b>  | <b>MS417</b>  | <b>MS657</b>  | <b>MS757</b>  |
|-------------------------|---------------|---------------|---------------|---------------|
| Cylinders               | 3             | 3             | 3             | 3             |
| Cylinder coating        | CERAMIC       | CERAMIC       | CERAMIC       | CERAMIC       |
| Drive type              | BELT          | BELT          | BELT          | BELT          |
| Dry weight              | 15.9 lbs      | 24.3 lbs      | 48.0 lbs      | 52.5 lbs      |
| Pressure (psi max.)     | 510           | 725           | 725           | 725           |
| Suction volume (gpm)    | 7.9           | 8.5           | 14.5          | 17.5          |
| Maximum RPM             | 1050          | 1100          | 1000          | 950           |
| Required power (approx) | 2.8 HP        | 4.3 HP        | 7.4 HP        | 9.0 HP        |
| Part number             | <b>366572</b> | <b>354230</b> | <b>354233</b> | <b>354234</b> |



# PISTON PUMP / ENGINE COMBOS

**Versatile as a power sprayer, simple as a re-power kit.**

Assembled from components matched for compatibility and superior quality, Maruyama spray piston pump engine combos are unrivaled for performance and extraordinary durability.



| Pump/Engine Combos                           | <b>MSD41TEC-H</b> | <b>MS333ECH</b> | <b>MS417ECH</b> |
|--|-------------------|-----------------|-----------------|
| 4-cycle - Honda-GX 160cc Engine (Approx. Hp) | 5.5               | 5.5             | 5.5             |
| Drive type                                   | DIRECT            | BELT            | BELT            |
| Pump type                                    | Triplex piston    | Triplex piston  | Triplex piston  |
| Cylinder Coating                             | CHROME            | CHROME          | CERAMIC         |
| Spray Volume                                 | 8.0 gpm           | 7.9 gpm         | 8.5 gpm         |
| Max Pressure                                 | 570 psi           | 510 psi         | 725 psi         |
| Dry weight                                   | 71.6 lbs          | 79.3 lbs        | 88.1 lbs        |
| Agitation                                    | liquid bypass     | liquid bypass   | liquid bypass   |
| Part Number                                  | <b>366545</b>     | <b>358669</b>   | <b>358668</b>   |



Each pump combo includes suction hose, strainer assembly and bypass hose

**MORE  
POWER  
FOR THE PROS!**



# SKID SPRAYERS



*Product design and specification may be changed without prior announcement.*

- Choice of THREE chemical tank sizes: 50, 100, & 200 gallon
- Maruyama's Legendary UNIFLOW™ Piston Pump: MSD41 (direct drive) paired with Honda GX160 engine
- Corrosion resistant aluminum frame
- Durable polyethylene tanks
- Stacked "TOPS" only available on 50 and 100 gallon configuration
- Optional electric reel available on all skid sprayers
- Optional 3-roller hose guide available on all manual and electric reels
- 100% Commercial-grade
- Complete line of optional guns, wands, nozzles and extensions

## MSD41 Direct Drive Pump

Maruyama's UNIFLOW PISTON PUMPS are legendary throughout the world.

(MSD41 pump specs on pg. 5)



## MSD41T 3/4" PUMP 50 GALLON ALUMINUM FRAME



## MSD41T 3/4" PUMP 200 GALLON ALUMINUM FRAME

| Model             | <b>MSD41-50T</b> | <b>MSD41-50TE</b> | <b>MSD41-200</b>    | <b>MSD41-200E</b>   |
|-------------------|------------------|-------------------|---------------------|---------------------|
| Description       | 50 Gallon TOP    | 50 Gallon TOP     | 200 Gallon Standard | 200 Gallon Standard |
| Frame             | Aluminum         | Aluminum          | Aluminum            | Aluminum            |
| Dry Weight (lbs.) | 208              | 223               | 310                 | 325                 |
| Hose Reel         | Manual           | Electric          | Manual              | Electric            |
| Length (inches)   | 42               | 42                | 60                  | 60                  |
| Width (inches)    | 27               | 27                | 50                  | 50                  |
| Height (inches)   | 37               | 37                | 43.5                | 43.5                |
| Part Number       | <b>849302</b>    | <b>849301</b>     | <b>849308</b>       | <b>849309</b>       |

## MSD41T 3/4" PUMP 100 GALLON ALUMINUM FRAME



| Model             | <b>MSD41-100T</b> | <b>MSD41-100TE</b> | <b>MSD41-100</b>    | <b>MSD41-100E</b>   |
|-------------------|-------------------|--------------------|---------------------|---------------------|
| Description       | 100 Gallon TOP    | 100 Gallon TOP     | 100 Gallon Standard | 100 Gallon Standard |
| Frame             | Aluminum          | Aluminum           | Aluminum            | Aluminum            |
| Dry Weight (lbs.) | 245               | 260                | 219                 | 234                 |
| Hose Reel         | Manual            | Electric           | Manual              | Electric            |
| Length (inches)   | 42                | 42                 | 48                  | 48                  |
| Width (inches)    | 27                | 27                 | 48                  | 48                  |
| Height (inches)   | 49.5              | 49.5               | 43.5                | 43.5                |
| Part Number       | <b>849304</b>     | <b>849305</b>      | <b>849306</b>       | <b>849307</b>       |





**MSD51T 3/4" PUMP**  
**50 GALLON ALUMINUM FRAME**



**MSD51T 3/4" PUMP**  
**200 GALLON ALUMINUM FRAME**



| Model             | <b>MSD51-50T</b> | <b>MSD51-50TE</b> | <b>MSD51-200</b>    | <b>MSD51-200E</b>   |
|-------------------|------------------|-------------------|---------------------|---------------------|
| Description       | 50 Gallon TOP    | 50 Gallon TOP     | 200 Gallon Standard | 200 Gallon Standard |
| Frame             | Aluminum         | Aluminum          | Aluminum            | Aluminum            |
| Dry Weight (lbs.) | 208              | 223               | 310                 | 325                 |
| Hose Reel         | Manual           | Electric          | Manual              | Electric            |
| Length (inches)   | 42               | 42                | 60                  | 60                  |
| Width (inches)    | 27               | 27                | 50                  | 50                  |
| Height (inches)   | 37               | 37                | 43.5                | 43.5                |
| Part Number       | <b>849313</b>    | <b>849312</b>     | <b>849318</b>       | <b>849319</b>       |

**MSD51T 3/4" PUMP**  
**100 GALLON ALUMINUM FRAME**



| Model             | <b>MSD51-100T</b> | <b>MSD51-100TE</b> | <b>MSD51-100</b>    | <b>MSD51-100E</b>   |
|-------------------|-------------------|--------------------|---------------------|---------------------|
| Description       | 100 Gallon TOP    | 100 Gallon TOP     | 100 Gallon Standard | 100 Gallon Standard |
| Frame             | Aluminum          | Aluminum           | Aluminum            | Aluminum            |
| Dry Weight (lbs.) | 245               | 260                | 219                 | 234                 |
| Hose Reel         | Manual            | Electric           | Manual              | Electric            |
| Length (inches)   | 42                | 42                 | 48                  | 48                  |
| Width (inches)    | 27                | 27                 | 48                  | 48                  |
| Height (inches)   | 49.5              | 49.5               | 43.5                | 43.5                |
| Part Number       | <b>849314</b>     | <b>849315</b>      | <b>849316</b>       | <b>849317</b>       |



# Legendary Patented Pump Technology

Maruyama's patented UNIFLOW™ piston pumps are the best on the market. The positive displacement and extreme-duty engineering make them the most economical to run while still achieving low/high volumetric efficiency and minimal pulsation.

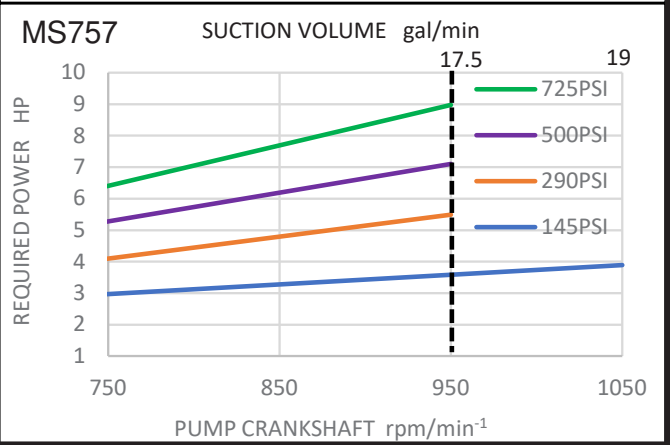
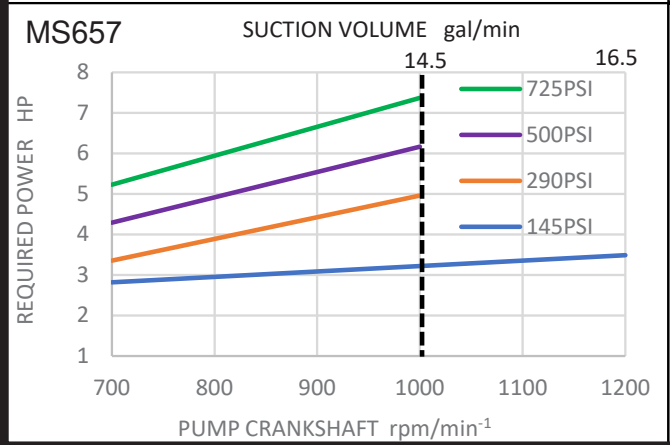
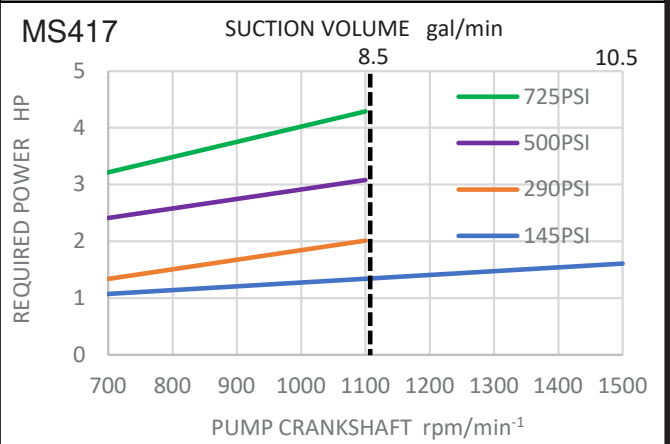
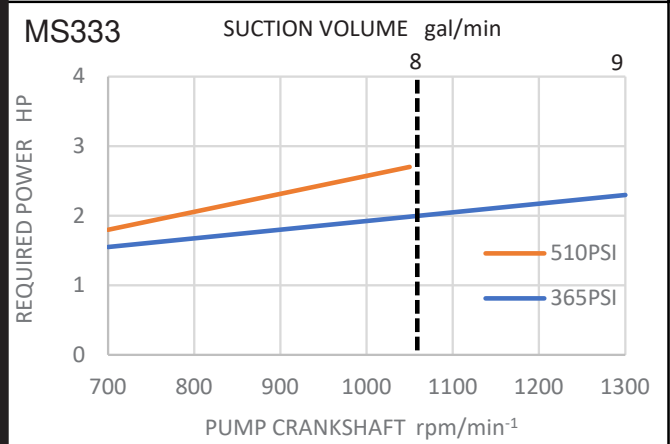
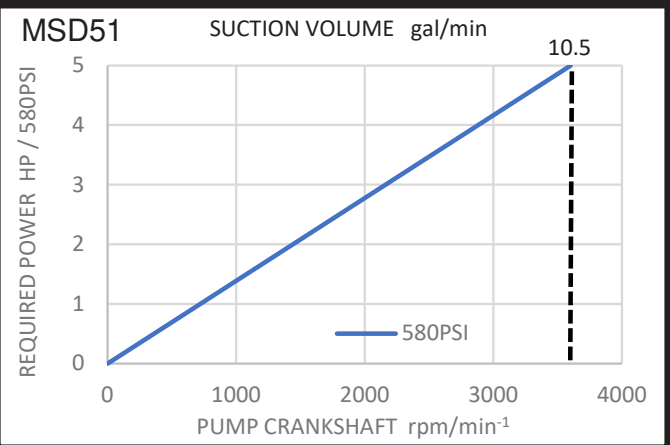
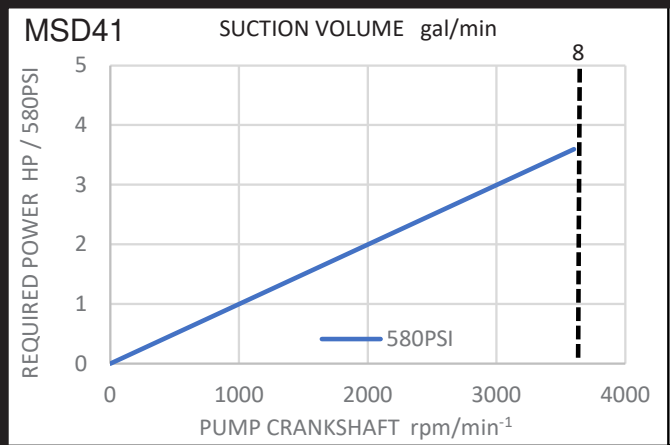
These charts show both the suction volume (gal/min at various rpms) and also the required power (hp - kw) needed at those specific rpms.

Maruyama recommends the Honda-GX series engines to be used with these pumps.

- The unique valve design uses the inertia of the moving fluid to create a smooth and continuous flow that is self-lubricating and self-priming
- Premium materials like stainless-steel cylinders, forged, chrome-moly crankshafts, oversized ball bearings, diecast aluminum crank cases and Viton cylinder packings provide performance, strength and reliability
- Self-cooling and lubricating—reduces chance of contamination



# MORE POWER FOR THE PROS!



# BACKPACK AND PORTABLE SPRAYERS



## Excellent Control, Performance and Results.

Maruyama portable power sprayers offer the best performance and durability in its class. Maruyama's unique UNIFLOW positive displacement piston pump offers a consistent pressure providing supreme chemical coverage and penetration. The continuous improvement allows us to reach working pressures of up to 356 psi. This allows us to effectively use a second lance and an endless number of specialized spray accessories. Ideal for the application of agrochemicals in agriculture, gardening, farms, greenhouses, open field crops, shrubs, fruit trees, vegetables and pest control applications.



# BACKPACK SPRAYER

**MORE  
POWER  
FOR THE PROS!**



## MS75



30.1 cc / CER300

21.0 lb

20.3 oz

Chem. tank capacity = 6.6 gal

Suction volume = 1.9 gpm

4-dial pressure settings =  
90, 180, 270, & 356

Liquid bypass agitation

# 353028

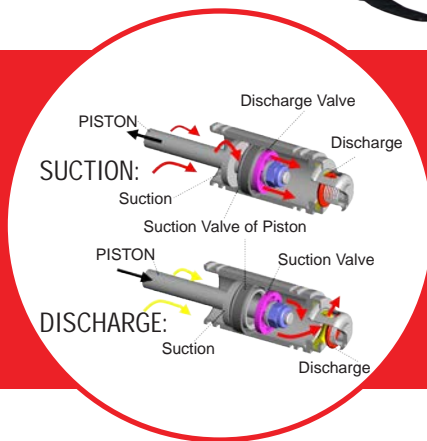
### Optional Cart

Aluminum, non-caustic finish

Lightweight & sturdy

Rubber tires

# 645941



- Maruyama Patented Uniflow™ Technology
- Self-priming, self-lubricating and self-cooling Dual piston pump for increased pressure

# BARREL TOP SPRAYER

VERSATILE & COMPACT

## MS75E



30.1 cc / CER300

16.3 lb

20.3 oz

Suction volume = 1.9 gpm

4-dial pressure settings = 90, 180, 270, & 356

Liquid bypass agitation

# 353027



Includes: pump, suction and bypass hoses, 20m of hose and a U2L spray gun (#116126)

# SPOT SPRAYER

## MS75E-25 SS



30.1 cc / CER300

36.0 lb

20.3 oz

Compact dimensions:  
34" w x 18" d x 26" h

Chem. tank capacity = 25 gal

Suction volume = 1.9 gpm

4-dial pressure settings =  
90, 180, 270, & 356

Liquid bypass agitation

# 849094



Displacement (cc)



Dry Weight (kg)



Fuel Tank (L)



Easy Start

# MISTERS AND DUSTER



**BRAND NEW MM91-V  
MIST BLOWER**



**ASSISTED STARTER**  
Even the softest pull will start the unit

**LIQUID WEIGHT BALANCE**  
Even distribution of chemicals during application



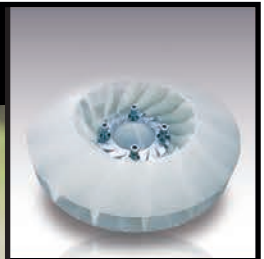
20%

80%



**ADJUSTABLE HANDLE**  
Improved tube control

**NEW BOOSTER NOZZLE**  
Improved coverage



**HEAVY DUTY FAN**  
One piece design for durability





Pistol Grip on Misters







MM300 Mister Tip

DROPLET TEST:  
SMD= 55-64 microns



MISTER





### MM300

-  30.1 cc / CER300
  -  15.65 lb
  -  20.3 oz
  - 
- Chem. tank capacity = 3.43 gal  
Flow settings = variable  
# 352799



MISTER





### MM91-V

-  79.2 cc / CER800
  -  25.6 lb
  -  67.0 oz
  - 
- Chem. tank capacity = 3.43 gal  
Flow settings = 4  
# 352873



DUSTER

### MD300

-  30.1 cc / CER300
  -  19.4 lb
  -  20.3 oz
  - 
- Flow settings = 27 (3x9)  
# 352826

#### Backpack MISTER/BLOWER

|                          |              |              |                |
|--------------------------|--------------|--------------|----------------|
| Atomizer volume (gpm)    | 0 - 0.79 gpm | 0 - 1.32 gpm | ---            |
| Duster volume (lb/min)   | ---          | ---          | 0-17.64 lb/min |
| Granular volume (lb/min) | ---          | --           | 0-35.27 lb/min |
| Item number              | 352799       | 352873       | 352826         |

## FOGGER ATTACHMENT ULTRA LOW VOLUME

Maruyama's ultra low volume / ULV fogger attachment attaches to the Maruyama MM300 mister for easy, effective insect fogging applications.

FOGGER Tip



### ULV-F for MM300

# 841068

- Lightweight - Approx. 2.0 lbs
- ON/OFF adjustment valve
- Pistol throttle on lightweight tube
- SUB-25 MICRON Droplets  
- for long hang times



Fogger Attachment shown on MM300 MISTER



# BATTERY SPRAYER

- IRON 5-Yr COMMERCIAL WARRANTY
- RECHARGABLE Lithium-Ion battery (battery covered by Makita warranty)
- Lightweight and extremely durable



## MS40Li



11.7 lb

3.9 gal

Volume = 0.39 gpm

Charging time = 22 minutes

Pressure (3 settings) = 145 / 72 / 43 psi

Working time = 45 / 120 / 300 min

Lithium ION battery =  
Makita 18V-3.0Ah BL1830 (# 133560)

# 353080



PIVOTING TANK  
Better weight distribution  
of liquid during use



Shown with  
1-pt adjustable nozzle #127460  
(included)



Shown with  
black dual wide-nozzle #471938  
(included)



Adjustable nozzle #127460  
and telescopic nozzle pipe  
#465077 (optional)



Displacement (cc)



Dry Weight (kg)



Fuel Tank (L)





## WATER/TRANSFER PUMP



Utilized throughout the world in the toughest applications (including agriculture, construction and emergency flood relief) Maruyama water pump is designed to stand up to commercial challenges. Awesome power, rugged durability and Maruyama's long experience in pump technology have come together to create an extraordinary series of extreme-duty water pumps.

- Quick-connect fitting included
- Compact and lightweight, yet professional grade with extreme durability

### MIP2534S



30.1cc / CER300

11 lbs.

20.3 oz

Flow rate = 32 gpm

Dynamic head = 125 ft

Intake suction port = 1 inch

#332334



## 5-DAY BUYBACK PROGRAM



The 5-Day Buyback Program is simple! Purchase any qualifying product, use it for five days and if you're if not completely satisfied, return it to the selling dealer for a full refund.

The program is only available for hand-held engine-powered units carrying the IRON 5-YR™ Warranty and is available only to registered and authorized Maruyama dealers. A validated purchase of Maruyama Premium 2-cycle Maruyama Blue Ultra-Shield™ or the equivalent is required.

# TRACTOR MOUNTED BOOM SPRAYERS



Maruyama's tractor sprayers are ideal for small and medium size farms. Ideal for sugar cane, berries, and row produce growth in narrow rows.

- Extreme-duty Maruyama professional boom sprayer which mounts easily to any kind of small tractor\*
- Maruyama's legendary triple piston pumps ensures durable, efficient service
- Adjustable 2-directional nozzles on the booms increase productivity and saves time, so you are not having to change out different types of nozzles in the field between sprays

\* Tractor not included



2-DIRECTION  
YAMAHO NOZZLE



2-DIRECTION  
ISO NOZZLE



|                        | <b>BSM201</b>            | <b>BSM-301</b>           | <b>BSM-500</b>           |
|------------------------|--------------------------|--------------------------|--------------------------|
| Applicable tractor     | 17 - 23 HP               | + 30 HP                  | +34 HP                   |
| Piston pump            | MS331                    | MS331                    | MS655s                   |
| Flow rate              | 7.9 gal/min              | 7.9 gal/min              | 14.0 gal/min             |
| Max pressure           | 435 psi                  | 435 psi                  | 435 psi                  |
| Chemical tank capacity | 52.8 gallons             | 80 gallons               | 140 gallons              |
| Boom length            | 13.8 ft                  | 24.6 ft                  | 33.5 ft                  |
| Nozzle type            | 14 nozzles (2-direction) | 25 nozzles (2-direction) | 34 nozzles (2-direction) |
| Nozzle type            | ISO                      | Yamaha                   | Yamaha                   |
| Dry weight             | 253.5 lbs                | 275.5 lbs                | 440.9 lbs                |
| Part number            | <b>328290</b>            | <b>720032</b>            | <b>328244</b>            |



# MANUAL SPREADER AND DUSTER

## MG51

MANUAL DUSTER



6.2 lb

1.2 gal

Volume (powder) = 0-14.2 oz/min

# 338129



## MG10

MANUAL SPREADER



Dry weight = 3.7 lb

Tank cap. = 3.0 gal

Volume (granules) = 77.8 oz/min

# 338119



# TRENCHING TOOL

## T300

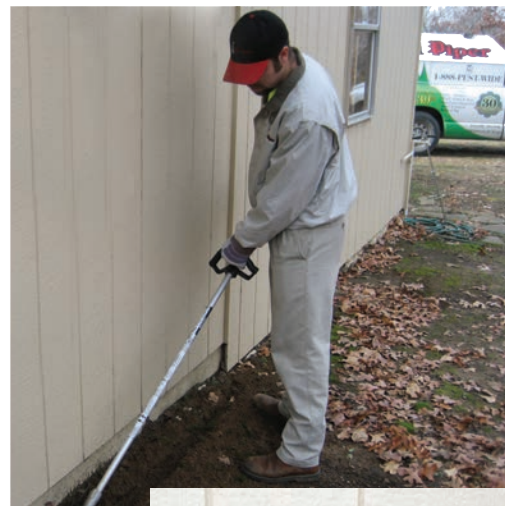


30.1CC / CER 300

16 lb

20.3 oz

|                     |               |
|---------------------|---------------|
| Driveshaft material | solid steel   |
| Easy Start          | standard      |
| CARB&EPA compliant  | YES           |
| Commercial warranty | 5 yrs         |
| Item number         | <b>365012</b> |



Using the T300 trenching tool gives quick access to foundations, etc. for more targeted termite treatments



# SPRAYER ACCESSORIES

## SPRAY GUNS AND ATTACHMENTS

FOR PORTABLE AND BACKPACK SPRAYERS



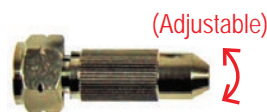
#353028 MS75 + #116126 U2L Gun



U2L Gun  
#116126



Adjustable Nozzle  
(45° Angle)  
#588002



Adjustable Nozzle  
#127460



Wide Nozzle Ass'y  
(NN-D-5A)  
#417938



Ring Type  
5-Head Nozzle A  
#074206



2-Head Nozzle Wand  
Length 6.7in  
#417232



3-Head Nozzle Wand  
Length 10.6in  
#639508



#417938 Wide Nozzle Ass'y



#074206 Ring Type 5-Head Nozzle A



#417232 2-Head Nozzle Wand, Length 17cm



3-Head Nozzle Wand  
length 22in  
#417233



Nozzle Pipe  
34.7in  
#465062



Nozzle Pipe  
58.3in  
#417208



Telescopic Nozzle Pipe  
55 - 95in  
#465077



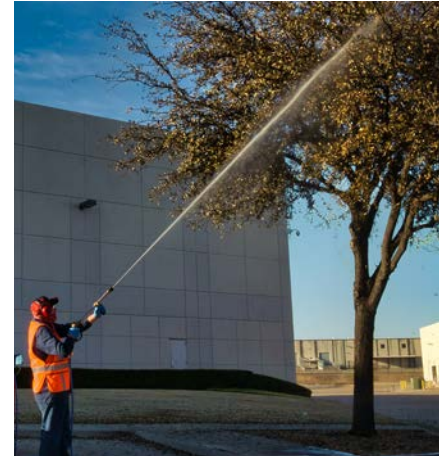
# SPRAY GUNS AND ATTACHMENTS

FOR SKID SPRAYERS

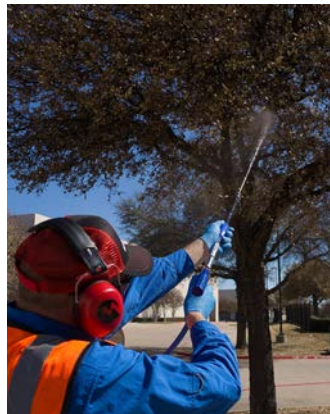


Top Gun  
#832505

(Adjustable)



#832505 Top Gun (different spray settings)



#417257 High End Nozzle (different spray settings)



High End Nozzle  
#417257

(Adjustable)



Super Zoom P-700  
#417221

(Adjustable)



Soil Injector  
#639258



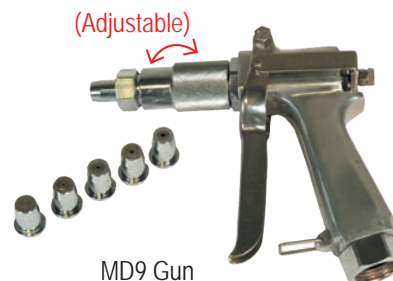
#639258 Soil Injector



4-Nozzle Boom  
#637153

## NOZZLES FOR MD9 GUN

- #842441 #2 Nozzle, 0.8 mm, 0.3-1.0 gpm
- #842442 #4 Nozzle, 1.5mm, 1.0-3.0 gpm
- #842443 #5 Nozzle, 2mm, 2.0-5.0 gpm
- #842444 #8 Nozzle, 3mm, 3.0-8.0 gpm
- #840925 #6 Nozzle (standard),  
2.5mm, 3.6 gpm



MD9 Gun  
#842404

(Adjustable)



# BLUE ULTRA-SHIELD

## PROTECTS CLEANS PERFORMS

- The most advanced technology in 2-cycle engine oil
- Superior synthetic blend oil that gives premium protection to internal moving parts reducing maintenance costs
- Formulated with fuel stabilizer
- Cleans engine and protects against carbon particle buildup
- Exceeds JASO-FD quality standards
- Promotes exceptional engine performance and long engine life
- Blue color makes it easy to identify gasoline mix in containers
- Mixes instantly with gasoline



| PART # | DESCRIPTION                                     | Bottles per Case | Cases per Pallet |
|--------|---|------------------|------------------|
| 849860 | Blue Ultra-Shield - 2.6oz. Bottle (1-gal mix)   | 24               | 144              |
| 849861 | Blue Ultra-Shield - 6.4oz. Bottle (2.5-gal mix) | 24               | 128              |
| 849862 | Blue Ultra-Shield - 12.8oz. Bottle (5-gal mix)  | 24               | 60               |



# MARUYAMA®



## COMMERCIAL WARRANTY

**5 Year Commercial / Residential warranty on qualified products with the purchase and use of Maruyama Blue Ultra-Shield oil**

**Lifetime Warranty for solid steel driveshafts and ignition coils on qualified units**

**5 Year Warranty available only through Authorized Maruyama Dealers**

**5 Year Warranty excludes Chainsaws, Big-M Pro-Scape products, and any unit used for rental purposes**

For more information regarding your products specific Maruyama warranty, please ask your Authorized Maruyama Dealer, visit [www.maruyama-us.com/warranty](http://www.maruyama-us.com/warranty), or consult the warranty card that comes with your product.



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Contact Your Local Maruyama Dealer

[www.maruyama-us.com](http://www.maruyama-us.com)

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