

MAKO[®] 445/445NT/455

COMPACT SELF-PROPELLED SPRAY APPLICATOR



The Mako 445, 445NT, and 455 sprayers are some of the latest members of the GVM equipment family. The smallest, most compact self-propelled sprayer in the marketplace; the Mako is the perfect machine to get into fields early, when grounds are still wet.

Small, stable, and nimble, the Mako features a 425 gallon polyethylene product tank, multiple boom options, 36 or 46 inches of crop clearance, and a tight turning radius. Its light footprint results in minimal, yield-robbing soil compaction. Powered by a Cummins Stage V, 154 horsepower engine paired with an automatic Allison five-speed transmission, the Mako's robust powertrain provides aggressive reliability to keep you in motion all season long. The Mako is simple enough for first time applicators, yet smart enough for the pros.

- 425 gallon product tank
- 36 or 46 inches of clearance
- Axle options:
 - 445NT: 72 in. fixed
 - 445/455: 82-110 in. adjustable
- Fuel efficient mechanical drivetrain
- Stage V Cummins engine, 154 hp **NEW**
- Allison 2100 RDS, automatic 5-speed transmission
- 22 mph maximum transport/road speed
- 13.8 ft turning radius



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MAKO® 445/445NT/455

		445/445NT	455
Drivetrain	Type drive	Mechanical	
	Maximum transport/road speed	22 mph (35.4 kph)	
Engine	Make and configuration	Cummins F3.8, inline 4-cylinder	
	Type	Stage V emissions compliant	
	Peak rated power	154 hp (115 kW) @ 2200 rpm	
	Displacement	3.8 L (229 cu in.)	
	Fuel	Diesel	
	Fuel tank capacity	44 U.S. gal. (166.6 L)	
	DEF tank capacity	15 U.S. gal. (56.8 L)	
Transmission	Types	Automatic Allison 2100 RDS 5-speed	
	Transmission oil capacity	Allison 15 qt (14 L)	
Speed Ranges	1st	4.5 mph (7.2 kph)	
	2nd	7.7 mph (12.4 kph)	
	3rd	10.1 mph (16.3 kph)	
	4th	14.1 mph (22.8 kph)	
	5th	22 mph (35.4 kph)	
	Reverse	3.2 mph (5.1 kph)	
Chassis	Frame construction	5 x 3 x .3 in. (12.7 x 7.6 x .95 cm) rectangular tube steel	
	Clearance	36 in. (91.4 cm)	46 in. (116.8 cm)
	Wheelbase	139.9 in. (355 cm)	
	Overall length	245 in. (622.3 cm)	
	Overall width	108 in. (274.3 cm) top-fold boom tips, 112 in. (284 cm) side-fold boom tips	
	Overall height	127 in. (322.6 cm)	137 in. (348 cm)
	Turning radius	13.8 ft (4.2 m)	
	Primary brakes	Power disc brakes	
	Parking brakes	Hand lever operated parking brake	
	Estimated empty weight	11,250 lb (5,102.9 kg)	
	Estimated operating weight	15,000 lb (6,803.9 kg)	
	Booms	Spraying width	Steel: 60 ft (18.3 m) and 60/80 ft (18.3/24.4 m) Aluminum: 42/80 ft (12.8/24.4 m) and 50/90 ft (15.2/27.4 m)
Boom sections		5 section, electronically controlled	
Nozzle spacing		15 in. (38.1 cm) off-center (42/80 ft) 20 in. (50.8 cm) off-center (60, 60/80, 42/80, & 50/90 ft)	
Breakaway width		Steel: 7.3 ft (2.2 m) Aluminum: 14.4 ft (4.4 m)	
Boom Height	Low position	11-66 in. (27.9-167.6 cm)	21-76 in. (53.3-193 cm)
	High position	27-82 in. (68.6-208.3 cm)	37-92 in. (94-233.7 cm)
Spraying System	Product tank capacity	425 U.S. gal. (1,609 L)	
	Spray control	Raven 660	
	Product pump	Engine mounted, belt drive centrifugal pump with electromagnetic clutch	
	Agitation	Manual adjust with electric on/off	
	Fresh water tank	15 U.S. gal. (56.8 L)	
	Filtration	50-mesh screen	
Tires, Suspension, & Track Width	Quick fill size	2 in. (5.08 cm)	
	Front	320/85R24 standard, fluid-filled optional	
	Rear	320/85R24 standard, 380/85R24 optional, 270/95R32 optional, 9.00 x 24 optional	
	Front suspension	Independent spring suspension with oscillating front axle	
	Rear suspension	Independent knee action suspension with coil spring and hydraulic shock	
	Track width	NT: 72 in., AA: 82-110 in. (208-279 cm)	AA: 82-110 in. (208-279 cm)
Additional Options	Belly shields, crop deflectors, boom height control, floodlight kit, foam marker, front and rear fenders, toolbox, and nozzle kits		
	Front axle & driveshaft extensions	6 in. extensions allow 80-108 in. machines to be extended to 92-120 in.	
	Precision tools	Ag Leader 800, Ag Leader SteerSteady, Ag Leader Z2, Raven CR7, Raven MD, Raven SmarTrax, Greentronics RiteHeight boom control	
Warranty	Powertrain	2 yr/2,000 hr Cummins engine warranty, 3 yr/2,500 hr Allison transmission warranty	
	Rear	2 yr/2,000 hr Dana warranty	
	Bumper-to-bumper	1 yr/1,000 hr GVM standard warranty	

