



5000 | 6000 Series NitroGro Nitrogen Applicators

Place Your  
**NITROGEN**  
Where It Counts...When It Counts



5000 SERIES MODELS 5010 • 5016 | 6000 SERIES MODELS 6018 • 6026



## 5000 SERIES NITROGRO NITROGEN APPLICATORS

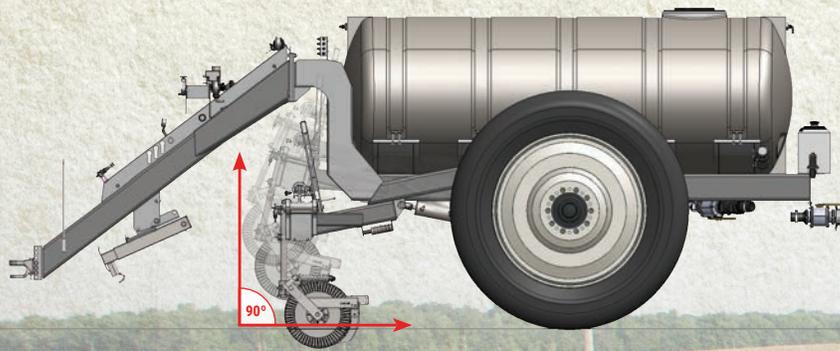
J&M's 5000 Series NitroGro Nitrogen Applicator is available in either 1,000 gallon (5010) or 1,600 gallon (5016) tank capacities with 30 foot or 40 foot working widths and 20", 22" or 30" row spacing. Choose from injectors or knives to consistently deliver nitrogen next to the root to minimize the risk of denitrification.

High tensile grade steel coulters shafts have 34" of crop clearance for a longer application window. The heavy-duty 7"x7" toolbar uses a unique pivot design with durable poly bushings to raise and lower the center bar on a gradual arc for consistent and perpendicular ground contact. The toolbar flex and hydraulic down force ensure nitrogen is being placed at the depth you want, no matter the soil conditions.

Available options include closers, flow monitors, depth control spools, 3" fill valve, Raven 450 controller, ISO controller, ground driven pump, rear flood light and wavy coulters. The 5000 Series NitroGro Applicators deliver nitrogen to your plants consistently and efficiently to help maximize your yields.

### TOOLBAR PIVOT DESIGN

The toolbar is raised and lowered by a unique pivot arm design that allows a more consistent and gradual placement of the coulters, ensuring the knife or injector remains perpendicular to the ground during application. The unique design also eliminates complex pivot points and incurs less wear.



Optional Flow

9 Gallon Wash Tank

Pin to Axle 12' (5010) or 14' (5016)

7" x 7" Toolbar Frame

34" of Clearance

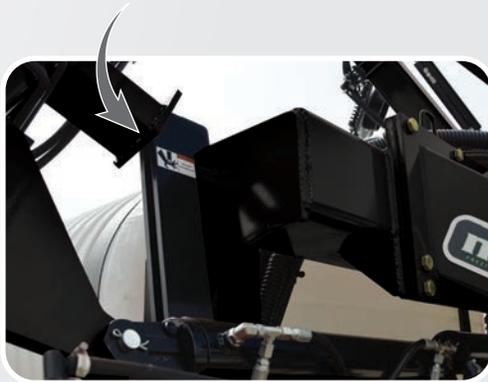
Injection or Knife Fertilizer Delivery

# 5010 5016



## TRANSPORT LATCH/WING REST

Unique locking bar allows you to unfold and lock the bar without leaving the cab of the tractor.



## DESIGN FEATURES

- 34" of crop clearance extends application window
- Extra strong high tensile grade steel coulters shafts
- Automatic transport locks don't interfere with the stroke control spacers
- Narrow transport width for easy field-to-field transportation
- Short pin to axle distance reduces crop damage
- Heavy-duty hinges with 2 1/2" pivot pins with greaseless poly bushings
- Unique locking bar allows you to unfold and lock the bar without leaving the cab of the tractor (no locking pins)
- Larger tool-free adjustable gauge wheels increase flotation and durability
- Single 7" x 7" toolbar frame
- Toolbar can flex to provide consistent application
- Transparent tank for easy monitoring
- Automatic wing kick

## AVAILABLE OPTIONS

- Choice of durable red or green powder coat exterior finish
- Flow monitors
- Depth control spools
- Larger 3" quick fill tube
- Para-Linkage coulters
- Choice of knife or injection fertilizer delivery
- Row closers
- John Blue ground driven pump
- Raven 450 or ISO-BUS controls
- 5 section boom shut-off in place of 3 section boom shut-off
- Rear flood light
- Multiple tire options



Monitors

6)



## 6000 SERIES NITROGRO™ NITROGEN APPLICATORS

Model 6018 or 6026 NitroGro™ liquid fertilizer applicators feature a narrow transport width and a custom designed 1,850 or 2,600 gallon tank. The 55'-0" to 62'-4" working widths accommodate coulters placed at 20", 22" or 30" row spacings to suit your farming needs. Single wheel, walking tandem dual wheel or track undercarriage available on model 6018. Model 6026 applicators are available with walking tandem or track undercarriage options.

## INDUSTRY-LEADING TRANSPORT WIDTH & HEIGHT

### Patented Wing Design

Patented wing design and customized tank wheel wells offer an industry leading 11'-9" transport width and low 9'-1" or 10'-8" tank height (11'-10" or 12'-10" overall transport height) for a lower center of gravity and greater stability.



Transport Height  
11'-10" or 12'-10"

Tank Height  
9'-1" or 10'-8"

Industry Leading  
Transport Width

11'-9"



## FEATURES

- Short hitch to axle length (14'-0") allows the applicator to follow the tractor, creating just one set of tracks that reduces crop damage and eliminates the need for a steerable hitch option
- 55'-0" to 62'-4" working width with 20", 22" or 30" row spacings
- Single wheel, walking tandem dual wheel or track undercarriage with 10 bolt heavy duty hubs and narrow tongue design for greater turning radius
- Easily accessible jack that pins away for storage
- Low tank height for a lower center of gravity and greater stability
- High strength toolbar features dual 5" x 7" tubing
- Parallel linkage toolbar design keeps the coulters and knives in correct position to the ground at all times
- 15° hydraulic wing kick reduces crop damage when turning
- Diaphragm shut-off valves at each coulter reduce fertilizer loss and crop "burn" damage on end rows
- Coulters feature heavy duty square tube mounting pillars with high strength 5/8" u-bolts and 4-bolt hubs on a 60° swivel for maximum performance
- Front and rear sight glass for viewing tank fluid levels
- 9 gallon safety rinse tank, 3" fill tube, Ace Hydraulic Pump and Raven 5 Section Control Manifold are standard on all models
- Standard ball flow indicators
- Standard rear light
- Optional knife or nozzle injectors or straight or wavy coulters
- Tool-less gauge wheel height adjustment
- Recommended horsepower: 275 hp to 410 hp
- Greaseless toolbar bushings for reduced maintenance



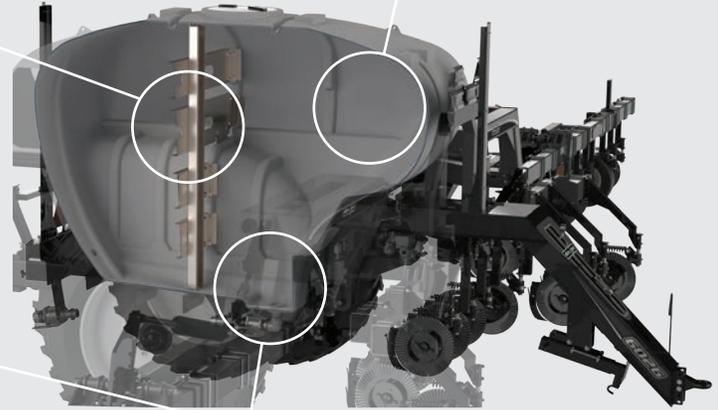
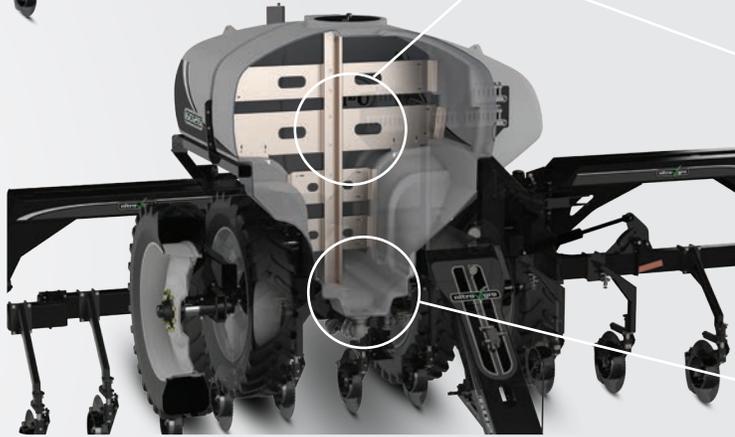
# 6018 6026



**1,850 or 2,600 GALLONS**  
CUSTOM TANK

Stainless steel baffles keep the weight properly distributed, even over uneven terrain.

"Nose" tank design keeps the weight forward to ensure the coulters remain at proper depth, even in the toughest soils.



Extra deep 10 gallon sump ensures the pump remains primed

Exclusive walking tandem dual wheel undercarriage "walks" over rough and uneven terrain, allowing the coulters to stay at consistent depths for a more uniform application compared to rigid dual wheel undercarriages.  
*Standard on 6026 and optional on 6018.*





### SIMPLE OPERATIONS

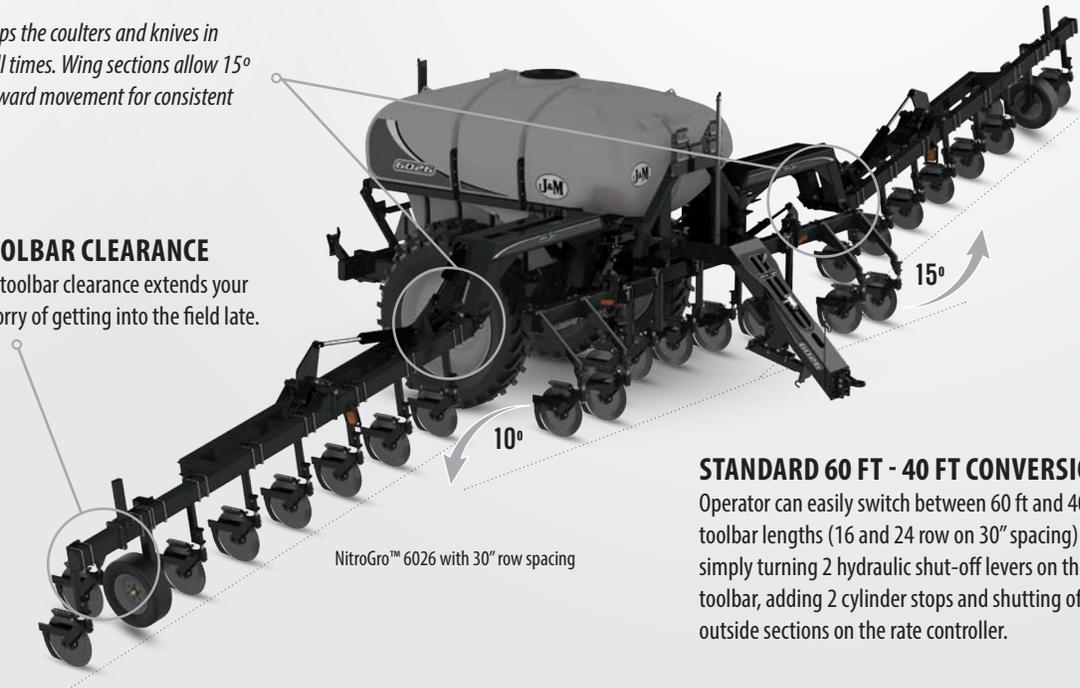
J&M's 6000 Series NitroGro Applicators uses less cylinders without sacrificing functionality. The simple 3 step folding process uses only the tractor remotes. Other applicators in this class use the tractor remotes as well as a secondary control valve and a switch box in combination with several proximity sensors that can fail.



*Parallel linkage toolbar design keeps the coulters and knives in correct position to the ground at all times. Wing sections allow 15° upward movement and 10° downward movement for consistent application over uneven terrain.*

### INDUSTRY'S HIGHEST TOOLBAR CLEARANCE

NitroGro 6000's industry best 40" toolbar clearance extends your application window and eases worry of getting into the field late.



NitroGro™ 6026 with 30" row spacing

### STANDARD 60 FT - 40 FT CONVERSION

Operator can easily switch between 60 ft and 40 ft toolbar lengths (16 and 24 row on 30" spacing) by simply turning 2 hydraulic shut-off levers on the toolbar, adding 2 cylinder stops and shutting off the outside sections on the rate controller.



### MODEL 6018 AND 6026 NOW AVAILABLE ON TRACKS

J&M is now offering an 18" wide suspension track for NitroGro 6000 Applicators.

The Camso TTS 45 allows a row crop farmer to put heavy, high capacity applicators into the field with half the contact points compared to dual tire configurations. The TTS 45 offers reduced ground pressure, fewer pinch rows, and less soil compaction. The TTS 45 features an enhanced suspension system with a 18" track, provides 2,610 in<sup>2</sup> footprint and 45,000 lb. weight capacity.

Compaction (PSI)	
2600 with Tracks	14.8
1800 with Tracks	11.5
2600 with Duals	25
1800 with Duals	17
1800 with Singles	57

Note: These values are estimates assuming a full tank of 32%, 25 coulters in the ground with moderate soil hardness on 30" rows. Tire compaction based on VF380/90R46 tire pressures. Track compaction based on Camso's 18" wide track system (TTS 45-1815).



## PARA-LINKAGE COULTERS

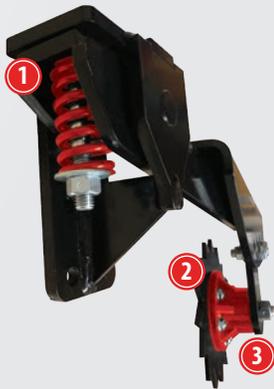
J&M's optional Para-Linkage design keeps the coulters at a consistent depth, applying nitrogen equally over uneven terrain and harder soil conditions.

**Greaseless Poly Bushing** - Low maintenance bushings to increase application efficiency

**650 lbs Downforce** - Helps keep consistent depth placement during application

## ROW CLOSERS

J&M's row closers use a damping spring to absorb the bounce of the closing wheel. This allows the closing wheel to keep constant and consistent contact with the ground to fill the gap created by the coulters and knife. Closing wheels help prevent nitrogen from dissipating into the atmosphere and ensure more nitrogen stays in the ground, close to the plant's roots.



### ① Damping Spring

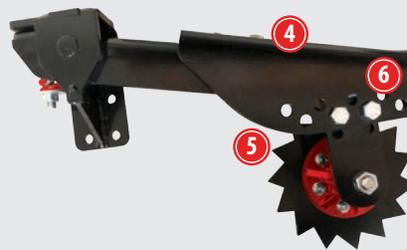
Spring down pressure force applies up to 125 pounds of down force to absorb the bounce of the closing wheel.

### ② Cast Hub

Durable, powder-coated 6-bolt cast hub is fully sealed to keep the grease in and the dirt out.

### ③ Radial Ball Bearings

Radial ball bearings allow the closing wheels to rotate smoothly.



### ④ Adjustable Angle

Row closer angle can be set at 3°, 6°, 9°, or 12°. A steeper angle lessens the distance between the closer and the knife and is useful for no till ground. A shallower angle moves the closer farther away from the knife and is useful for conventional till ground.

### ⑤ Adjustable Height

Use either 5/8" or 3/4" height adjustments to set the height of the closers to a maximum depth of 1 3/4". Ideal depth is 3/4".

### ⑥ Adjustable Distance From Knife

Closer wheel can be set 1 1/2" to 5 1/2" behind the knife. The further the wheel is moved back, the closer it is to the knife gap.





SPECIFICATIONS				
MODELS	5010	5016	6018	6026
Tank Size	1,000 Gallon	1,600 Gallon	1,850 Gallon	2,600 Gallon
Working Width	25'-0" to 44'-0"	25'-0" to 44'-0"	55' - 62' -4"	55' - 62' -4"
Ground Clearance	34"	34"	40"	40"
Row Spacing*	20", 22", 30"	20", 22", 30"	20", 22", 30"	20", 22", 30"
Number of Coulters	11, 13, 15, 17, 23, 25	11, 13, 15, 17, 23, 25	23, 25, 35, 37	23, 25, 35, 37
Coulter Style	Grove Engineered Products (GEP) Para-Linkage (J&M)	Grove Engineered Products (GEP) Para-Linkage (J&M)	Grove Engineered Products (GEP) Para-Linkage (J&M)	Grove Engineered Products (GEP) Para-Linkage (J&M)
Fertilizer Delivery	Knife or Injection	Knife or Injection	Knife or Injection	Knife or Injection
Wing Flex	Standard 8° Flex Up - 6° Flex Down	Standard 8° Flex Up - 6° Flex Down	Standard 15° Flex Up - 10° Flex Down	Standard 15° Flex Up - 10° Flex Down
Wing Kick	Standard	Standard	Standard	Standard
Toolbar Frame Tubing	7" x 7" Toolbar	7" x 7" Toolbar	Dual 5" x 7" Toolbar	Dual 5" x 7" Toolbar
Hydraulic Down Pressure	Standard	Standard	Standard	Standard
Hydraulic Driven Pump	Standard Ace 155 Pump	Standard Ace 155 Pump	Standard Ace 155 Pump Optional Ace 750 Pump	Standard Ace 155 Pump Optional Ace 750 Pump
Flow Control Valve	PWM Standard	PWM Standard	PWM Standard	PWM Standard
Tires/Tracks	VF380/90R46 tires (30" row spacing), VF320/105R46 tires (20" or 22" row spacing), 520/85R42	VF380/90R46 tires (30" row spacing), VF320/105R46 tires (20" or 22" row spacing), 520/85R42	VF380/90R46 tires (30" row spacing), VF320/105R46 tires (20" or 22" row spacing), 520/85R42, Camso TTS 40	VF380/90R46 tires (30" row spacing), VF320/105R46 tires (20" or 22" row spacing), 520/85R42, Camso TTS 40
Transport Width	15'-0"	15'-0"	11'-9"	11'-9"
Transport Height	12'-6"	12'-6"	11'-10"	12'-10"
Transport Length	16'-8"	20'-8"	25'-0"	25'-0"
Pin To Axle	12'-0"	14'-0"	14'-0"	14'-0"
Flow Monitors	Optional	Optional	Standard	Standard
Depth Control Spools	Optional	Optional	Optional	Optional
Quick Fill	2" Fill Standard - 3" Fill Optional	2" Fill Standard - 3" Fill Optional	3" Fill Standard	3" Fill Standard
Wash Tank	Standard 9 Gallon Wash Tank	Standard 9 Gallon Wash Tank	Standard 9 Gallon Wash Tank	Standard 9 Gallon Wash Tank
Empty Weight	10,500 lbs.	10,900 lbs.	18,500 lbs.	19,000 lbs.
Tongue Weight Empty	2,488 lbs.	2,935 lbs.	4,771 lbs.	4,563 lbs.
Tongue Weight Loaded	2,568 lbs.	2,608 lbs.	5,755 lbs.	6,226 lbs.

\* Other Row Spacing Available Upon Request

### 750 PUMP (6018 or 6026 option) ACE 750-22M

PWM pump in place of standard ACE 155-206

PWM pump.



### ISOBUS CONTROLLER (option)

The ISOBUS product control node uses an ISO ready tractor display instead of a dedicated display. This option allows for variable rate and section control for those tractors with these features unlocked.

### RAVEN CONTROLLER (option)

The SCS 450 automatically maintains the rate regardless of speed changes. The SCS 450 consoles include a 10 year non-volatile memory to maintain settings even with an extended loss of power.



### J&M Manufacturing, Inc

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